



**SAMSUNG ELECTRONICS Co., Ltd.**

## **2025 Interim Business Report**

**For the quarter ended March 31, 2025**

Certain statements in the document, other than purely historical information, including estimates, projections, statements relating to our business plans, objectives and expected operating results, and the assumptions upon which those statements are based, are "forward-looking statements." Forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties which may cause actual results to differ materially from the forward-looking statements. A detailed discussion of risks and uncertainties that could cause actual results and events to differ materially from such forward-looking statements is included in our financial reports available on our website.

See, also, 『Note on Forward-Looking Statements』 in preamble of 『II. Business Overview』.

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# Certification

## Letter of Certification

We, YoungHyun Jun and Sooncheol Park, as a CEO and the executive in charge of reporting, respectively, certify that we have thoroughly reviewed the interim business report of Samsung Electronics Co., Ltd. for the three-month period ended March 31, 2025.

Based on our knowledge, this report does not contain any untrue statements of material facts or omit any material facts; and it does not contain any statements that are intentionally misleading for the users of the information in the report.

We confirm that Samsung Electronics operates the Internal Controls over Financial Reporting, as defined in Article 8 of the Act on External Audit of Stock Companies.

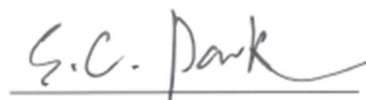
Date: May 15, 2025

YoungHyun Jun



Vice Chairman and CEO  
Samsung Electronics Co., Ltd.

Executive responsible for reporting: Sooncheol Park



Vice President and CFO  
Samsung Electronics Co., Ltd.

# **I Corporate Overview**

## ***1. Overview***

Pursuant to the reporting guidelines set forth by the Financial Supervisory Service of the Republic of Korea (the FSS), the Overview section is not included in the 1Q and 3Q reports. Overview Section is reported in the half-year and full-year business reports.

## ***2. Company history***

Pursuant to the reporting guidelines set forth by the FSS, the Company history section, reported in the full-year business report, is not included in the interim reports.

## ***3. Changes in paid-in capital***

Pursuant to the reporting guidelines set forth by the FSS, the Changes in paid-in capital section, reported in the full-year business report, is not included in the interim reports.

## ***4. Stock Information***

Pursuant to the reporting guidelines set forth by the FSS, the Stock information section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

## ***5. Changes to Articles of Incorporation***

Pursuant to the reporting guidelines set forth by the FSS, the Changes to Articles of Incorporation section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

## II Businesses Overview

### 1. Overview

In addition to our headquarters in Korea, Samsung Electronics Co., Ltd. (Samsung Electronics, SEC, or the Company) consists of 230 subsidiaries across the world responsible for sales and production, which include 9 regional headquarters for the Device eXperience (DX) Division, 5 regional headquarters for the Device Solutions (DS) Division, and subsidiaries of Samsung Display (SDC) and Harman.

The Company's business divisions form a two-pronged framework consisting of finished products businesses and component businesses. For finished products, the DX Division is responsible for the production and sales of TVs, monitors, refrigerators, washing machines, air conditioners, smartphones, computers, network systems, and PC. For components, the DS Division manufactures and sells DRAM, NAND flash, and mobile APs; and SDC manufactures and sells panels, including mobile OLED panels. Harman manufactures and sells automotive products such as digital cockpits; car-audio products; and consumer audio products such as portable speakers and soundbars.

☞ See C. Current status of each division and D. Financial summary by organization in 『7. Other information』 for more details about each Division.

The Company's corporate headquarters—which oversees the DX and DS Divisions—and 32 consolidated subsidiaries are located in Korea. The headquarters is divided along Divisions and/or Businesses, which are located in Suwon, Gumi, Gwangju, Giheung, Hwaseong, Pyeongtaek, etc. The Company's unlisted domestic subsidiaries include Samsung Display for display panel production, Samsung Electronics Sales for domestic retail sales, Samsung Electronics Service for after-sales services, and Samsung Electronics Logitech for logistics.

We have 198 unlisted overseas subsidiaries for product manufacturing, sales, and R&D, with locations in the US, Europe/CIS, Middle East/Africa, and Asia, etc.

We have 48 subsidiaries in the Americas, including SEA, which is in charge of US sales (New Jersey; sales of finished products including TV and smartphones), SII (California; manufacturing of TVs), SSI (California; sales of semiconductors and DPs), SAS (Texas; manufacturing of semiconductor products), SEDA (Brazil; manufacturing of multiple finished products) and Harman (Connecticut; automotive components).

In Europe and CIS, we operate 68 subsidiaries, including SEUK (UK), SEG (Germany), SEF (France), SEI (Italy) for sales of finished products; SEH (Hungary) for manufacturing TVs, and SEPM (Poland) for manufacturing home appliances.

We have 21 subsidiaries in Middle East and Africa, including SGE (UAE) and SSA (South Africa) for sales of finished products and SEEG (Egypt) and SSAP (South Africa) for manufacturing TVs.

There are 32 subsidiaries in Asia (excluding China), including SESP (Singapore), SEAU (Australia), SEPCO (Philippines), and SME (Malaysia), which are responsible for regional sales. In addition, we operate numerous production sites including SEV and SEVT (Vietnam) for smartphones, SEHC (Vietnam) for TVs, SDV (Vietnam) for display panels, and SIEL (India) for multiple products.

We operate 29 subsidiaries in China, including SCIC (Beijing) and SEHK (Hong Kong) for the sales of finished products in those regions; and SSS (Shanghai) and SSCX (Xian) for semiconductor and display panel sales. Production sites for finished products include SSEC (Suzhou) and semiconductor production facilities are located in SCS (Xian) among others.

In 1Q25, the Company recorded total revenue of KRW 79,140.5 billion, an increase of 10.0% year-on-year. Major customers (listed in alphabetical order) included Alphabet, Apple, Deutsche Telekom, Hong Kong Techtronics, and Verizon.

## 2. Key products and services

### A. Revenue

SEC is involved in the production and sales of finished products, including TVs, refrigerators, washers, air conditioners, smartphones, and components such as semiconductors (e.g., DRAM, NAND flash, mobile APs) and mobile OLED panels. Through Harman, the Company also produces and sells digital cockpits, car audio products, portable speakers, and more.

In 1Q25, reported revenue was KRW 51,717.2 billion (65.3% of total net sales) for DX; KRW 25,131.0 billion (31.8%) for DS; KRW 5,866.9 billion (7.4%) for SDC; and KRW 3,419.4 billion (4.3%) for Harman.

(KRW 100 mil)

Organization	Major products	Revenue	Portion
DX Division	TVs, monitors, refrigerators, washing machines, air conditioners, smartphones, network systems, PC, etc.	51,717.2	65.3%
DS Division	DRAM, NAND flash, mobile APs, etc.	25,131.0	31.8%
SDC	OLED smartphone panels, etc.	5,866.9	7.4%
Harman	Digital cockpits, car audio products, portable speakers, etc.	3,419.4	4.3%
Others	Overlapping internal transactions between Divisions	-69,940	-8.8%
Total		791,405	100.0%

Includes inter-divisional transactions.

☞ See 『4. Revenue and long-term contracts』 for information by each product.

### B. Changes in average selling price

In 1Q25, on a year-on-year basis, the average selling price (ASP) decreased by approximately 6% for TVs; increased by around 11% for smartphones; increased by approximately 1% for memory products; decreased by approximately 17% for smartphone-use OLED panels; and stayed at a similar level for digital cockpits.

### 3. Production materials and production facilities

#### A. Key production materials

For the DX Division, key materials include mobile AP solutions and camera modules, which are supplied by Qualcomm, Semco, etc., and display panels for TVs and monitors, which are supplied by CSOT, etc. For the DS Division, key materials include chemicals and wafers, supplied by Soulbrain, SILTRONIC, etc., and for SDC, key materials include FPCAs and cover glass, with suppliers such as BH, Apple, etc. For Harman, key materials include system-on-chip (SoC) products, including microcontroller units, communication modules, etc., which are supplied by Nvidia and WNC, etc.

(KRW 100 mil)

Organization	Item	Specific usage	Purchase price	Portion	Main supplier(s)
DX Division	Mobile AP solutions	CPU	47,891	22.5%	Qualcomm, MediaTek, etc.
	Display panel	Color picture signaler for TV, monitor	20,729	9.7%	CSOT, AUO, etc.
	Camera module	Camera for smartphone	18,071	8.5%	Semco, SUNNY, etc.
	Others	-	126,069	59.3%	
	Sub total		212,760	100.0%	
DS Division	Chemical	Disk processing	6,850	17.3%	Soulbrain, DongWoo Fine-Chem, etc.
	Wafer	Semiconductor disk	5,180	13.1%	SILTRONIC, SK Siltron, etc.
	Others	-	27,580	69.6%	
	Sub total		39,610	100.0%	
SDC	FPCA	Circuit	4,589	17.7%	BH, Union, etc.
	Cover glass	Tempered glass	3,339	12.8%	Apple, LENS, etc.
	Others	-	18,064	69.5%	
	Sub total		25,992	100.0%	
Harman	SoC	CPU	2,121	11.8%	Nvidia, Intel, etc.
	Communication module	Vehicular communication	1,258	7.0%	Wistron Neweb Corp (WNC), etc.
	Others	-	14,610	81.2%	
	Sub total		17,989	100.0%	
Others	-	-	69	-	
Total			296,420	-	

Purchase price does not include sales between Divisions.

Portion of purchase price of each item compared to total purchase price for each Division's raw materials.

Semco (Samsung Electro-Mechanics) is a subsidiary.

## B. Production material price trends

Compared to the previous year's annual average, mobile APs—a major production material for the DX Division—saw a price increase of approximately 19%; camera module prices increased by about 18%; and the prices of TV and monitor-use displays remained similar. On a year-on-year basis, the price of wafers for semiconductor disks decreased by approximately 2%, and the price of FPCAs for SDC declined by approximately 23%. The price of tempered glass cover glass fell by approximately 15%. For Harman, the price of SoCs decreased by about 1%, and the price of communication modules remained similar.

※ Data include internal transactions between Divisions, etc.

## C. Production capacity, output, utilization rate

### (Capacity)

(1,000 units)

Organization	Item	Capacity		
		1Q25	2024	2023
DX Division	TV, monitor, etc.	13,407	51,795	53,552
	Smartphone, etc.	66,150	265,700	284,700
DS Division	Memory	468,475,889	2,238,240,405	1,926,651,546
SDC	Display panel	575	2,264	2,320
Harman	Digital cockpit	1,923	8,520	10,912

Production capacity for major product categories on a consolidated basis.

The DX Divisions' production capacity, by major product, is calculated as follows:

the average number of lines (×) the average output per hour (×) the average operation hours per day (×) standard days of operation

Memory production capacity for the DS Division is calculated as follows:

converted output (after packaging, 1Gb equivalent) ÷ the utilization rate

SDC's production capacity is calculated as follows:

the total producible panel surface area ÷ the dimensions of eighth generation glass (2,200x2,500mm)

Harman's production capacity for Digital cockpit is calculated as follows:

the number of production (assembly and test) cells for each customer/product (×) the production capacity per hour by production cell (×) the standard operation hours per day (×) standard days of operation

### (Output)

In 1Q25, the DX Division's output of TVs, monitors, etc., was 10,988 thousand units (major production sites: Mexico, Vietnam, Brazil, and Hungary), and smartphone output was 53,174 thousand units (major production sites: Korea [Gumi], Vietnam, India, and Brazil). The DS Division's memory output in 1Gb equivalents was 468,476 million (major production sites: Korea [Hwaseong, Pyeongtaek, etc.] and China). SDC's display panel output in 8th generation glass equivalents was 446 thousand units (major production sites in Korea [Cheonan, Asan]). Harman's Digital cockpit output was 1,433 thousand units (major production sites in Mexico, Hungary, and China).



(1,000 units)

Organization	Item	Output		
		1Q25	2024	2023
DX Division	TV, monitor, etc	10,988	41,354	40,085
	Smartphone, etc	53,174	193,500	189,991
DS Division	Memory	468,475,889	2,238,240,405	1,926,651,546
SDC	Display panel	446	1,759	1,407
Harman	Digital cockpit	1,433	5,814	7,658

Output for major product categories on a consolidated basis.

**(Utilization rate)**

DX utilization rates in 1Q25 were calculated as actual output relative to production capacity. The utilization rates were 82.0% for TVs, monitors, etc. and 80.4% for smartphones, etc.

(1,000 units)

Organization	Item	1Q25		
		Production capacity	Output	Utilization rate
DX Division	TV, monitor, etc	13,407	10,988	82.00%
	Smartphone, etc	66,150	53,174	80.40%

The DS Division and SDC respectively operate memory and display panel production in three shifts covering 24 hours a day. Cumulative operating days including holidays were 90 days in 1Q25. The utilization rate was calculated as the actual production time relative to the potential production capacity [operating days (×) number of production lines (×) 24 hours].

(Hours)

Organization	Item	1Q25		
		Potential production time	Actual production time	Utilization rate
DS Division	Memory	21,600	21,600	100.00%
SDC	Display panel	10,800	10,800	100.00%

In 1Q25, Harman's utilization rate was 74.5% and was calculated as actual output relative to production capacity.

(1,000 units)

Organization	Item	1Q25		
		Production capacity	Output	Utilization rate
Harman	Digital cockpit	1,923	1,433	74.50%

**D. Production facilities and investment****(Key facilities for production and operation)**

The Company's operational activities include production, development, marketing, and sales. In Korea, operations are located in Suwon, Gumi, Gwangju, Hwaseong, Pyeongtaek, and Asan. Overseas operations in North America, Europe, and China include a total of nine regional headquarters under the DX Division, five regional headquarters under the DS Division, and subsidiaries of SDC and Harman.

Operations

Region	Operations	Location
Korea (DX Division, DS Division, SDC – 12 work sites)	Suwon	Suwon
	Seochon	Seoul
	Woomyeon	Seoul
	Giheung	Yongin
	Hwaseong	Hwaseong
	Pyeongtaek	Pyeongtaek
	Cheonan	Cheonan
	Onyang	Asan
	Asan	Asan
	Gumi1	Gumi
	Gumi2	Gumi
	Gwangju	Gwangju
Overseas (DX Division – 9 regional headquarters)	North America	New Jersey, US
	Europe	Surrey, UK
	China	Beijing, China
	Southeast Asia	Singapore, Singapore
	Southwest Asia	Haryana, India
	CIS	Moscow, Russia
	Middle East	Riyadh , KSA
	Africa	Johannesburg, South Africa
	Latin America	Sao Paulo, Brazil
Overseas (DS Division – 5 regional headquarters)	Americas	San Jose, US
	Europe	Munich, Germany
	China	Shanghai, China
	Southeast Asia	Singapore, Singapore
	Japan	Tokyo, Japan
Harman	North America HQ	Connecticut, US
	Harman Becker Automotive Systems, Inc.	Michigan, USA
	Harman Becker Automotive Systems GmbH	Karlsbad, Germany
	Harman Consumer Nederland B.V.	Amsterdam, Netherlands

The Company's property, plant and equipment include land, buildings and structures, machinery and equipment, and construction in progress. As of March 31, 2025, the total book value was KRW 207,385.7 billion, which is an increase of KRW 1,440.5 billion from year-end 2024.

(KRW 100 mil)

Classification		Land	Buildings and structures	Machinery and equipment	Under construction	Other tangible assets	Total
Dec 31, 2024	Book value	102,482	470,319	909,066	531,173	46,412	2,059,452
	- Acquisition cost	104,350	824,153	3,732,764	531,173	158,521	5,350,961
	- Accumulated depreciation (including impairment loss)	-1,868	-353,834	-2,823,698	-	-112,109	-3,291,509
Change	General acquisition and capital expenditure	2,620	5,616	43,181	68,633	3,208	123,258
	Acquisition through M&A	51	25	2	111	18	207
	Depreciation	-124	-11,116	-91,832	-	-4,230	-107,302
	Disposal/discard/Impairment	-55	-1,934	-179	-5	-183	-2,356
	Others	59	313	119	3	104	598
Mar 31, 2025	Book value	105,033	463,223	860,357	599,915	45,329	2,073,857
	- Acquisition cost	106,949	825,224	3,765,083	599,915	160,008	5,457,179
	- Accumulated depreciation (including impairment loss)	-1,916	-362,001	-2,904,726	-	-114,679	-3,383,322

1) Land-depreciation is depreciation expense of right-of-use asset as per K-IFRS 1116 (Lease).

2) Includes effects of FX rates and government subsidies.

3) Market value of major tangible assets is omitted as objective assessment is difficult.

**(Capex)**

The Company's capex in 1Q25 was approximately KRW 12.0 trillion, with investments concentrating on capacity expansions and migration to advanced nodes; and directing at infrastructure for the DS Division and SDC. The Company continued to invest to strengthen competitiveness for next-generation Memory technology and prepare for mid- to long-term demand. For system semiconductors, we are also investing to secure capacity for advanced technologies. Furthermore, we will focus on enhancing our investment efficiency by fortifying fundamentals.

Capex, by organization

(KRW 100 mil)

Organization	Purpose	Period	Assets	Investment
DS division	Establishment, addition, upgrade	January 2025–March 2025	Buildings, facilities, etc.	109,480
SDC	Establishment, addition, upgrade	January 2025–March 2025	Buildings, facilities, etc.	4,965
Other	Establishment, addition, upgrade	January 2025–March 2025	Buildings, facilities, etc.	5,538
Total				119,983

## 4. Revenue and long-term contracts

### A. Revenue

In 1Q25, the Company recorded total revenue of KRW 79,140.5 billion, an increase of 10.0% year-on-year. By organization, when compared to the same period last year, revenue increased by a respective 9.4% and 8.6% in the DX Division and DS Division; and increased by a respective 8.9% and 6.8% in SDC and Harman.

(KRW 100 mil)

Organization	Revenue types	Product categories	1Q25	2024	2023
DX Division	Goods, products, services, other	TVs, monitors, refrigerators, washing machines, air conditioners, smartphones, Network systems, computers, etc.	517,172	1,748,877	1,699,923
DS Division	Goods, products, services, other	DRAM, NAND flash, mobile APs, etc.	251,310	1,110,660	665,945
SDC	Goods, products, services, other	OLED panels for smartphones, etc.	58,669	291,578	309,754
Harman	Goods, products, services, other	Digital cockpit, car-audios, portable-speakers, etc.	34,194	142,749	143,885
Others	Overlapping internal transactions between Divisions		-69,940	-285,155	-230,152
Total			791,405	3,008,709	2,589,355

Includes inter-divisional transactions.

#### (1) Sales, by major product (on a consolidated basis)

(KRW 100 mil)

Classification	1Q25	2024	2023
TVs, monitors, etc.	77,563	309,316	303,752
Smartphones, etc.	361,876	1,144,249	1,086,325
Memory	190,690	844,630	441,254
Display panels	58,669	291,578	309,754

Includes inter-divisional transactions.

#### (2) Revenue, by type

(KRW 100 mil)

Classification	1Q25	2024	2023
Products	751,546	2,933,617	2,461,380
Services and other revenue	39,859	75,092	127,975
Total	791,405	3,008,709	2,589,355

Other revenue consists of royalty income, etc.

### (3) Revenue, by region (on a separate basis)

(KRW 100 mil)

Classification		1Q25	2024	2023
Domestic		60,845	202,978	205,196
Export	Americas	175,953	613,533	510,934
	Europe	81,947	290,967	239,342
	Asia and Africa	107,414	333,769	326,262
	China	129,190	649,275	422,007
Total		555,349	2,090,522	1,703,741

Domestic consumption and exports on a separate basis.

## B. Sales channels

### (1) Domestic

Seller	Sales channel	Consumer
Manufacturer and buyer	Exclusive agencies	Consumer
	Distributor (general merchandise stores, discount stores, department stores, home-shopping, online, etc.)	
	Telecommunication service provider (SKT Co., Ltd., KT Corp., LG Uplus Corp.)	
	Direct Sales (B2B and online channels, etc.)	

### (2) Overseas

Seller	Sales channel					Consumer
Production subsidiaries	Regional sales office	Retailer				Consumer
		Dealer		Retailer		
		Distributor	Dealer	Retailer		
		Telecommunication service provider, automotive OEM				
		Direct sales (B2B and online channels)				
	Regional distribution office	Regional sales office	Retailer			
			Dealer	Retailer		
			Distributor	Dealer	Retailer	

### (3) Sales ratio (global), by channel

Channel	Wholesale	Retail	Special/direct sales	Others
Ratio	18%	24%	49%	9%

## C. Sales methods and conditions

### (1) Domestic

Classification	Channel	Collection	Incidental expense sharing
Exclusive	Retailer	Credit specific	Case specific cost sharing as determined by mutual agreement
Distributor	General merchandise store, discount store, department store, home shopping, online, etc.	Case specific and contract specific	Case specific cost sharing as determined by mutual agreement
Telecommunication service provider	SKT Co., Ltd., KT Corp. LG Uplus Corp.	Case specific and contract specific	Case specific cost sharing as determined by mutual agreement (joint marketing)
B2B and online channels	Corporate clients, etc.	Case specific and contract specific	N/A

### (2) Overseas

Classification	Channel	Collection	Incidental expense sharing
Retailer	Retail store	Case specific and contract specific	Case specific cost sharing as determined by mutual agreement
Dealer	General merchandise store, discount store, department store	Case specific and contract specific	Case specific cost sharing as determined by mutual agreement
Distributor	Direct sales to local distributors	Case specific and contract specific	Case specific cost sharing as determined by mutual agreement
B2B and online channels	Corporate clients, etc.	Case specific and contract specific	N/A

## D. Sales strategy

- Expand market leadership based on premium products
- Provide differentiated value to customers through brand, products, and services
- Strengthen marketing activities to boost demand from customer/market

## E. Major customers

In 1Q25, major customers (listed alphabetically) included Alphabet, Apple, Deutsche Telekom, Hong Kong Techtronics, and Verizon. Sales to the five major customers accounted for approximately 12% of total sales.

## F. Long-term contracts

As of March 31, 2025, there were no long-term contracts that have a significant impact on the Company's financial statement.

## **5. Risk management and derivative trading**

### **A. Financial risk management policy**

The Company focuses on minimizing market risk, credit risk, and liquidity risk arising from operating activities. To mitigate these risks, the Company monitors each risk factor and operates corresponding financial risk management policies and programs.

The Company manages financial risks by establishing global financial risk management policies and periodically assessing risks associated with our customers and business partners; and via monitoring foreign exchange hedging and balance of funds.

Meanwhile, the Company manages exchange rate risk via monitoring exchange rates and executing transactions through local finance centers in each major region (United States, United Kingdom, Singapore, China, Brazil, and Russia). Liquidity risk is managed by managing capital as a whole by each region.

The Company's assets that are under financial risk management consist of cash and cash equivalents, short-term financial instruments, financial assets at amortized cost, trade receivables and others. The Company's liabilities under financial risk management consist of trade payables, borrowings, and others, etc.

### **B. Major financial risks**

#### **(1) Market risk**

##### **(Foreign exchange risk)**

The Company operates internationally and is exposed to foreign exchange risks as it conducts transactions in currencies other than the functional currency. Major currencies that are exposed to foreign exchange risk include USD, EUR, and others.

The Company focuses on minimizing the impact of foreign exchange fluctuation by maintaining an equal amount of assets and liabilities denominated in each foreign currency. To minimize foreign exchange positions, the Company's foreign exchange management policy requires transactions for normal business (including imports and exports) and for financing (such as deposits/borrowings) to be in the functional currency or for the cash-in currency to match the cash-out currency. If foreign exchange positions arise, the Company uses bond sales, forward exchanges, etc., to mitigate impacts of exchange-rate fluctuations. While such measures can reduce foreign exchange risk, they cannot remove the risk entirely. The Company efficiently manages foreign exchange risk through regular monitoring and assessments, and speculative foreign exchange transactions are strictly forbidden.

##### **(Interest rate risk)**

Interest rate risk arises from changes in the market interest rate and subsequent fluctuations in cash flows from interest income and expenses from investment and financial activities, mainly in deposits and variable-rate borrowings. The Company employs internal fund sharing to minimize external borrowings and minimize financial costs and uncertainties associated with interest rate changes.

##### **(Stock price risk)**

The Company's investment portfolio consists of direct and indirect investments in equity securities classified as financial assets at fair value through other comprehensive income and financial assets at fair value through profit or loss, which is in line with the Company's strategy.

As of March 31, 2025, a price fluctuation of marketable equity securities (listed stocks) of 1% changes 'other comprehensive income' (before income tax) by KRW 75,229 million and profit or loss (before income tax) by KRW 1,111 million. The figures as of the same date in 1Q 2024 were KRW 58,830 million and KRW 2,333 million, respectively.

## (2) Credit risk

Credit risk arises during the normal course of transactions and investing activities where clients or other parties fail to discharge an obligation. The Company sets and manages the client's and counterparty's credit limit, and evaluates their financial credit rating on a periodic basis based on the client's and counterparty's financial conditions, default history and other important factors. Adequate insurance coverage is maintained for trade receivables related to trading partners situated in higher risk countries.

Credit risk can arise from transactions with financial institutions, which include financial instrument transactions such as cash and cash equivalents, savings, and derivative instruments. To minimize such risk, the Company transacts only with banks that have a strong international credit rating (S&P A and above), and all new transactions with financial institutions with no prior transaction history are carried out after a soundness evaluation, etc. The Company generally enters into a financial agreement with no restrictions, such as debt ratio covenants, provision of collateral, and loans or borrowings repayment. The Company requires separate approval for contracts with restrictions.

The carrying amount of our financial assets is the amount after deducting impairment losses; and our maximum exposure to credit risk is equal to the carrying amount of our financial assets.

## (3) Liquidity risk

Liquidity risk refers to the possibility of a company having difficulties in fulfilling its obligations related to financial liabilities. Our main sources of liquidity are cash generated by business operations and funds procured from capital market and financial institutions. The main demands on our liquidity include investment for production and R&D, working capital, and dividend payouts.

The nature of our business requires making large investments, so maintaining an adequate liquidity is crucial. We maintain and manage our liquidity by estimating required cash, managing income and expenses, etc.

The Company effectively manages its liquidity risk by periodically forecasting projected cash flows and by utilizing regional cash pooling, which allows for the use of internal funds when an entity in a region lacks liquidity. The cash-pooling program allows sharing of surplus funds among entities and contributes to minimizing liquidity risk and reducing capital operation expenses and financial expenses.

In addition, the Company's headquarters provides payment guarantees to overseas subsidiaries to secure credit limit to brace for potential large liquidity needs. As of the reporting period end date, our investment ratings from international rating agencies Moody's and S&P are Aa2 and AA-, respectively, allowing us to raise capital in the capital market in a timely manner.

## (4) Capital risk

The purpose of capital management is to protect our capability of continuously providing profit to our shareholders and stakeholders and to maintain a sound capital structure. To this end, the Company monitors capital on the basis of credit rating and the ratio of total liabilities to total equity.

As of March 31, 2025, the figures for total liabilities and total equity are as follows:

(KRW mil)

	Mar 31, 2025	Dec 31, 2024
Total liabilities	109,762,479	112,339,878
Total equity	406,614,269	402,192,070
Total liabilities to equity ratio	27.0%	27.9%



### C. Derivative instruments and put options

The Company hedges foreign currency positions by trading currency forward contracts of currencies other than won for the purpose of managing foreign exchange risk. Currency forwards are bought through a bank in the purpose of trade and hedging.

As of Mar 31, 2025, the Company had 3,783 currency forward contracts involving 33 foreign currencies, such as USD and EUR, etc., and the book value of assets and liabilities as well as related gain and loss were as follows:

(KRW mil)				
	Assets	Liabilities	Valuation gain	Valuation loss
Currency forwards	73,891	89,603	223,290	279,912

According to the shareholders' agreement signed with Rainbow Robotics, its major shareholder, etc., the Company has the right, within a specific time period, to demand that the major shareholder, etc., sell all or part of their Rainbow Robotics shares to the Company or the third party designated by the Company. Moreover, the major shareholder, etc., of Rainbow Robotics has the right to demand that the Company sell all or part of the Company's Rainbow Robotics shares back to the major shareholder, etc., under certain conditions. On December 31, 2024, the Board of Directors resolved to exercise a call option to acquire 3.94 million shares held by six shareholders, including the major shareholder of Rainbow Robotics. The acquisition price was 267.463 billion won, and the equity acquisition was completed on March 12, 2025. As of end-1Q25, the exercise price of the call option was not separately evaluated at the market price.

Furthermore, Samsung Display (a subsidiary of the Company) may exercise its put option to sell part of its shares of Corning Incorporated back to Corning, according to the stock trade contract with Corning dated April 8, 2021.

Samsung Display may exercise its put option to sell all or part of its shares of TCL China Star Optoelectronics Technology Co. Ltd. (CSOT) to TCL Technology Group Corporation (TCL), if CSOT remains unlisted within the listing period, according to the shareholders' agreement executed with TCL and CSOT dated April 1, 2021.

Fair value of the above put option as of March 31, 2025 was evaluated by Earnest & Young Global Limited.

## 6. Major contracts and research and development activities

### A. Major contracts

Account	Contract information	Contents
Google	Type	Patent cross-license agreement
	Date	Jan 25, 2014
	Purpose and contents	Secure business flexibility through mutual patent licensing
	Other	Permanent license contract (including patent applications in the next 10 years)
GlobalFoundries Inc.	Type	Process technology license agreement
	Date	Feb 28, 2014
	Purpose and contents	Expand customer base of 14nm process
Google	Type	EMADA
	Date	Feb 27, 2019–Mar 31, 2026
	Purpose and contents	Licensing agreement for using Google apps (Play Store, YouTube, etc.) in 32 European countries (EEA)
Ericsson	Type	Patent cross-license agreement
	Date	May 7, 2021
	Purpose and contents	Secure business flexibility through mutual patent licensing
Qualcomm	Type	Patent cross-license agreement
	Date	Jul 6, 2022
	Purpose and contents	Secure business flexibility through mutual patent licensing and signing of covenant not to sue
Huawei	Type	Patent cross-license agreement
	Date	Jul 13, 2022
	Purpose and contents	Secure business flexibility through mutual patent licensing
Nokia	Type	Patent cross-license agreement
	Date	Jan 19, 2023
	Purpose and contents	Secure business flexibility through mutual patent licensing

Information that are trade secrets, such as contract amounts, etc., are not stated herein.

### B. Summary of R&D activities and expenditures

The Company is leading the global market by continuously developing creative and innovative products and industry-leading technology through shifting its way of thinking and understanding customer demand. The Company is doing its utmost to cement its position in the global IT industry and become a worldwide leader in industrial technology by creating and securing next-generation technology.

As of March 31, 2025, the Company's year-to-date R&D expenses were KRW 9,034.8 billion. Among this, KRW 9,032.7 billion was recognized as expenditures, excluding government subsidies and capitalized expenses.

**(R&D expenses)**

(KRW mil)

		1Q25	2024	2023
Total R&D expenditures		9,034,812	35,021,531	28,352,769
(Government subsidies)		-2,071	-23,389	-13,045
R&D expenditures		9,032,741	34,998,142	28,339,724
Accounting	Capitalization of development expenses (intangible asset)	-	-	-
	R&D costs (expenses)	9,032,741	34,998,142	28,339,724
R&D expenses/revenue ratio		11.4%	11.6%	10.9%

Consolidated basis.

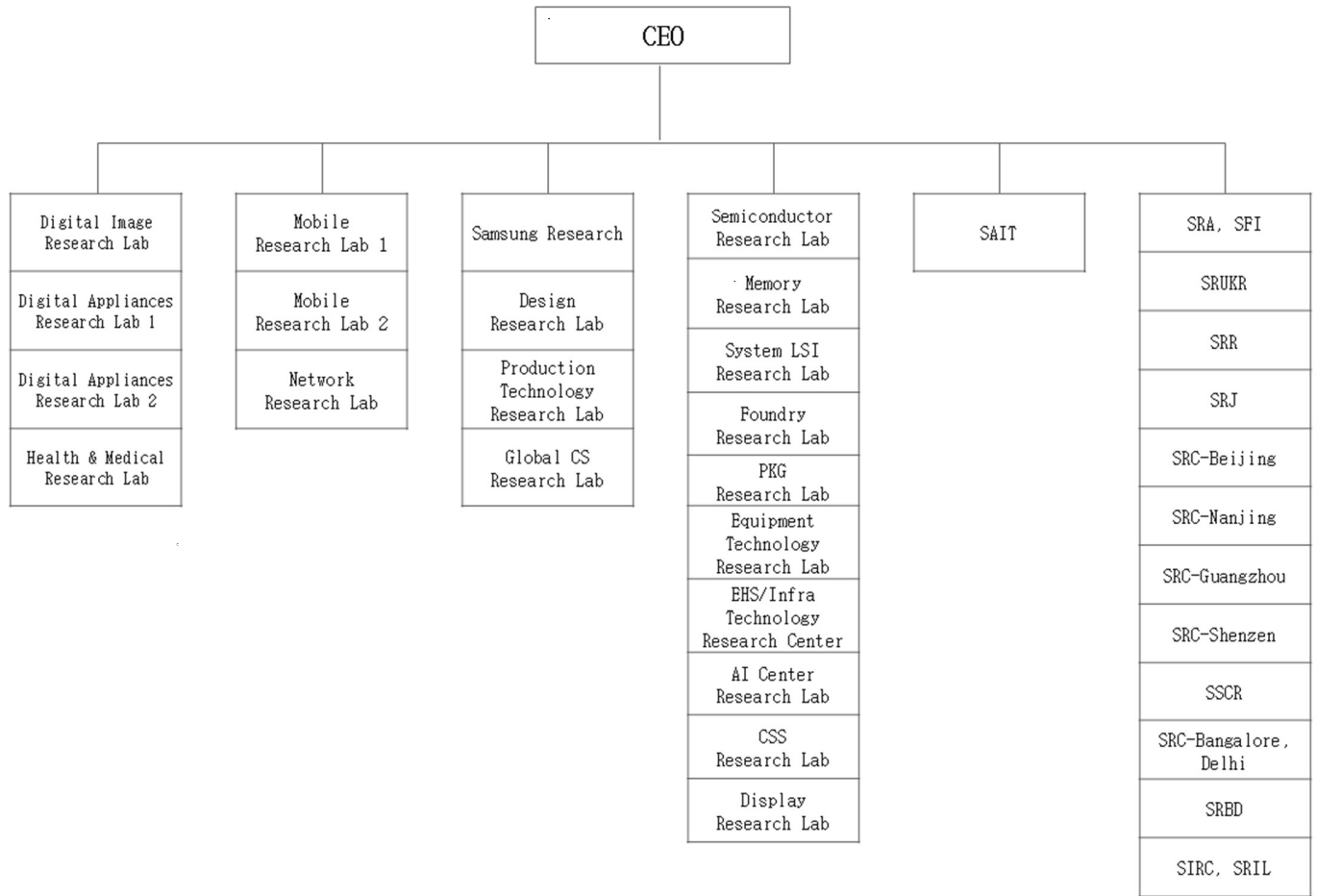
Calculated using total R&amp;D expenditures, which includes government subsidies.

**C. R&D organization and operations****(Domestic)**

The Company's R&D organizations are systematically structured into three levels based on the timing of technological commercialization. R&D teams of business units under each Division develop market-ready technologies with a 1–2 year outlook, while research institutes under each Division, such as Samsung Research and Semiconductor R&D Center, drive development of promising technologies with a mid- to long-term outlook of 3–5 years. Also, Samsung Advanced Institute of Technology (SAIT), our comprehensive research institute, pioneers the development of core technology as seeds for future growth engines. SAIT operates at a company level and offers direction for R&D related to promising growth areas, strengthens technological competitiveness for our main businesses, and performs R&D activities to establish a creative R&D framework.

**(Overseas)**

The Company operates R&D organizations in the US (SRA, SFI), Ukraine (SRUKR), Russia (SRR), Japan (SRJ), China (SRC- Beijing, SRC-Nanjing, SRC-Guangzhou, SRC-Shenzhen, SSCR), India (SRI-Bangalore and SRI-Delhi), Bangladesh (SRBD), Israel (SIRC and SRIL), etc., to carry out research activities for product development and basic technological research.



As of Mar 31, 2025.

## D. R&D results

The Company's key R&D results by organization in 1Q25 are as follows:

DX Division	
Research project	Details
Galaxy S25	• Release of Galaxy S25 • S25+ • S25 Ultra
Galaxy A	• Release of Galaxy A56 5G • Release of Galaxy A36 5G • Release of Galaxy A26 5G • Release of Galaxy A06 5G • Release of Galaxy M16 5G
Galaxy Book	• Release of Galaxy Book5 Pro • Release of Galaxy Book5 Pro H • Release of Galaxy Book5 360
Neo QLED 8K	• Released QN990F featuring 8K Wireless One Connect Box, 8K AI Upscaling Pro, AI HDR Remastering Pro, AI Motion Enhancer Pro, and 8K 120Hz 4K 240Hz VRR
Neo QLED 4K	• Released QN90F, equipped with enhanced AI capabilities through the application of NQ5 SI Gen3 Processor, and featuring glare-free technology, and VRR 4K 165Hz
OLED TV	• Launched S90/S95F with enhanced AI functions through the application of NQ5 SI Gen3 Processor
Refrigerator	• Launched 36-inch T-Type refrigerator with 9-inch LCD globally, Bixby LLM, AI Vision Inside 2.0, Auto Open door, etc.
Washing machine	• Launched 27-inch Vented Combo for North American market, featuring vent drying method, All-in-one , AI Home, AI Optiwash & Dry, Auto Open Door, Easy Lint Clean filter, etc.
DS Division	
Research project	Details
Graphic DRAM	• Produced the industry's first 24Gb GDDR7 DRAM
Brand SSD	• Launched high performance SSD 9100 PRO based on PCIe 5.0 for consumers
LSI	• Developed the industry's first IC (S3SSE2A) integrated with hardware PQC (post-quantum cryptography) • Developed a wireless charging IC (S2MIW06) supporting the Wireless Power Consortium's Qi standard
SDC	
Research project	Details
OLED	• Developed Galaxy S25 Ultra AMOLED
QD-Display	• Developed 27" UHD 16:9 QD-OLED monitor

Please refer to 『Appendix-4. R&D results (detailed)』 for more details.

## 7. Other information

### A. Intellectual property

Intellectual property activities are an integral part of our R&D strategies—SEC registered its first US patent in 1984 and currently holds 270,618 patents around the world. The Company holds the highest number of its patents in the US and aims to address conflicts in the US more effectively.

#### Number of patents registered in each country (consolidated basis)

[As of March 31, 2025]

(Unit: No. of patents)

	Korea	US	Europe	China	Japan	Others	Total
Number	63,654	100,655	48,391	29,615	8,768	19,535	270,618

In 1Q25, the Company invested KRW 9 trillion in R&D and registered 2,364 domestic and 2,357 US patents.

#### Number of patent registrations per year

(Unit: No. of patents)

	1Q25	2024	2023
Korea	2,364	7,806	8,908
US	2,357	9,227	8,958

These patents are mostly related to smartphones, smart TVs, memory, and system LSI products for the Company's strategic business products or for future use. These patents not only protect the Company's business but also play a role in keeping similar technology and patents, as well as competitors, in check. Additionally, the Company is focusing on securing early patents in new technologies ahead of others, in order to protect opportunities and have the freedom to operate when entering new businesses.

The Company has licensing agreements with Google (signed in January 2014), Ericsson (May 2021), Qualcomm (July 2022), Huawei (July 2022), and Nokia (January 2023) through which the Company has secured an extensive patent protection in mainstay businesses as well as in the fields of new businesses.

The Company has also been focusing on securing design patents to protect its original design applied to smartphones and smart TVs. In 1Q25, the Company acquired 85 US design patents, in part for the aforementioned purposes.

### B. Environmental regulations

The Company strictly abides by environmental regulations on products and in the workplace, as prescribed by law. In addition, in accordance with “the low carbon green growth policy” of the Korean government, the Company reports “the amount of greenhouse gas emission and energy use” to the government and provides related information to stakeholders by providing various reports, including the Samsung Sustainability Report.

#### Environmental regulation of products

Environmental regulation of products are becoming stricter, reflecting the concerns of governments and regulators about potential direct and indirect impact of products to consumers' health and safety as consumers. Accordingly, the Company is working to minimize the environmental impact throughout the entire life cycle of products from the development stage of components and products to manufacturing, distribution, use, and disposal. The Company offers “Eco-Partner Certification” to suppliers for components free of harmful substances, and runs an “eco-design evaluation” system to reflect eco-friendly elements on products (reduced use of resources, energy and harmful substances, and the use of eco-friendly materials) at the development stage, and operates a “e-waste collection and recycling system” in Europe, North America, Korea, and India, etc for collecting and recycling electronic waste. These activities are in line with domestic and foreign environmental laws on electrical and electronic products and are a differentiation factor for the Company and its products.

Relevant laws are as follows:

1. Law on collection and recycle of e-waste (e.g., EU WEEE Directive)
2. Limit on the use of harmful substances (e.g., EU RoHS Directive, REACH Regulation)
3. Regulation on energy efficiency (e.g., EU ErP Directive)

### Environmental regulations in the workplace

The Company operates environmental pollution prevention facilities to reduce air pollution, water pollution, and waste disposal, and to minimize the discharge of pollutants, thereby minimizing impact on the surrounding environment.

Environmental management of workplace is supervised by the relevant government authorities. All production facilities, domestic and overseas, have acquired the International Environmental Management System Certification and the International Occupational Health and Safety Management System Certification (ISO 14001, ISO 45001) to strengthen compliance.

Major relevant domestic and international laws are as follows:

1. Regulations related to emission of pollutants: Water Quality and Ecosystem Conservation Act, Clean Air Conservation Act, Wastes Control Act, Noise and Vibration Control Act, Environmental Impact Assessment Act
2. Management of greenhouse gas emission: Act on Allocation and Trading of Greenhouse Gas Emission, Framework Act on Carbon Neutrality and Green Growth for Coping with Climate Crisis
3. Others: Toxic Chemicals Control Act, Act on the Registration and Evaluation, etc. of Chemical Substances, Odor Control Law, Soil Environment Conservation Act

### Greenhouse gas emission and energy consumption management

According to Article 27 (Greenhouse Gas Target Control of Controlled Emitter) of the Framework Act on Carbon Neutrality and Green Growth for Coping with Climate Crisis, the Company falls under the category of “controlled emitter,” which is an entity designated for greenhouse gas target management. Therefore, in accordance with Article 27 (3) of the above mentioned Act and Article 24 (Reporting and Verification of Amounts of Emissions) of the Act on the Allocation and Trading of Greenhouse-gas Emission Permits, the Company’s greenhouse gas emissions and energy usage, verified by a third-party, have been reported since May 2011 to the relevant authorities and opened to stakeholders. The reported amount of domestic greenhouse gas emission and energy use are provided below:

(Unit: tCO<sub>2</sub>-eq, TJ)

	2024	2023	2022
Greenhouse gas (tCO <sub>2</sub> -eq)	17,674,973	17,337,196	19,285,537
Energy (TJ)	320,701	301,616	290,024

Amounts include those reported by HQ and subsidiaries to the government

Domestic manufacturing facilities, office buildings, buildings owned by the Company, leased buildings, etc. Reported Greenhouse gas emission excludes ozone depletion substances (ODS).

Amounts may differ based on results of governmental evaluations, etc. on emissions.

From 2015, in accordance with the Article 8 (Designation of Business Entities Eligible for Allocation) of the Act on the Allocation and Trading of Greenhouse-Gas Emission Permits, the Company is an eligible business entity under the Act.

## C. Current status of each division

### [DX Division]

#### Industry overview

##### 1) TV Industry

The TV industry has produced continual innovations in picture quality. The black-and-white TV was first developed in 1926 and the color TV in 1954. Further developments in the industry led to the creation of flat panel TVs (LCD), Smart TVs, super-large TVs (QLED/OLED/Neo QLED/8K), Micro LED, and more.

TVs incorporate technologies such as chip design, circuit development, image/signal processing, and AI picture quality improvement as well as operating systems and various software to ensure smooth operation of platforms and applications. With the rapid advancement of AI technology, users can search for information about products airing on TVs in real-time or receive recommendations for related content. Furthermore, AI enables the creation of artistic images based on individual preferences, as well as device control through conversational interfaces.

The TV industry is competing fiercely to achieve the highest picture quality by integrating technologies such as Micro LED, Neo QLED and OLED. The TV market, previously dominated by 55- to 65-inch models, is now driven by the growth of super-large 85-, 98-, 100-, and 115-inch models, going beyond the previous 75- to 83-inch range and fueling overall market expansion.

Surpassing the previous 4K standard, 8K TVs are opening new markets, and TVs are now implementing technologies capable of automatically upscaling HD and FHD to higher levels.

TVs are transforming into a futuristic digital appliance as the industry adopts AI technologies. Firms, working to incorporate AI technologies into TVs, are adopting AI SoCs, optimizing picture and sound quality, and further strengthen the AI function that upscales content from lower definitions. With such technologies, TVs are able to connect digital appliances and conduct real-time monitoring while also offering new services such as maximizing energy efficiency providing an emergency alarm system.

Meanwhile, the way people perceive TV has changed dramatically following the COVID pandemic. Customers use their TVs to not only watch movies, news, or other traditional content, but also to download and enjoy images of artwork that feature in museums throughout the world. Moreover, using TVs for gaming, health-care, online meetings and education services, and other services is also gaining positive feedback from users. We release Lifestyle product lines every year that emphasize design, connectivity, and convenient, flexible installability to meet the evolving needs of customer who value individuality in this rapidly expanding niche market.

##### 2) Mobile phone industry

The mobile phone industry started with first generation analogue devices in the early 1980s that only supported voice communication and evolved to second generation, digital devices that used technology such as CDMA and GSM, where users could send voice and text messages. Third generation mobile communication standards such as WCDMA allowed users to send photos and videos.

Today, fourth generation LTE mobile communication technology with ultra-high speed data transmission is commonplace. In early 2019, the fifth generation mobile communication service, known as 5G, was launched in Korea and the US and has since been commercialized globally. The sales of 5G smartphones increased from 270 million units in 2020 to 870 million units in 2024, and the spread of 5G communications has accelerated the ecosystem of 5G convergent services, including AI, XR, and the autonomous vehicle and infrastructure industry. (TechInsights, March 2025)

The smartphone industry has grown significantly since 2007. In 2024, the smartphone portion of total HHP sales volume was approximately 85%, and the feature phone portion of the total was approximately 15%, with the latter related to demand in emerging markets. (TechInsights, March 2025) Also, as the smartphone market shows high saturation, the importance of competitiveness of the overall experience based on software for applications, UX, games, media, digital wallets, AI, security, etc., is rising alongside that of competitive hardware, which includes high-performance APs, high-definition displays, foldable form factors, multiple cameras, sensors, waterproof & dustproof features, biometric recognition, and more.



Market condition

1) TV Industry

TV market demand increased by 3.7% year-on-year from approximately 201.39 million units in 2023 to 208.83 million units in 2024, driven by demand related to sporting events such as the Paris Olympics. Amid trade tensions and growing global economic uncertainties in 2025, demand is expected to remain similar year-on-year at 208.91 million units. (Omdia, March 2025).

TV market share

Product	1Q25	2024	2023
TV	30.0%	28.3%	30.1%

Global market share in revenue; from Omdia.

Market share for 1Q25 is our estimate.

2) Mobile industry

The smartphone market is expected to increase from 1.15 billion units in 2023 to 1.22 billion units in 2024 due to strengthened consumer sentiment backed by an economic recovery and increased demand for foldable phones. In 2025, even though we expect to see greater uncertainties in the global economic environment, the smartphone market, backed by increased demand of AI smartphones, is forecast to grow slightly and reach 1.24 billion units. The tablet market grew from 140 million units in 2023 to 150 million in 2024, and it is forecast to remain at a level similar in 2025. (TechInsights, March 2025).

Smartphone market share

Product	1Q25	2024	2023
Smartphone	20.4%	18.3%	19.7%

Global market share in quantity; data from research firm TechInsights.

Business condition

1) TV Industry

We have maintained the number one position in global TV sales for the 19th consecutive year, a streak that began in 2006. Throughout this time, we consistently strengthened our marketing and sales strategies, resulting in a doubling of our market share from 14.2% at end-2006 to approximately 28% at end-2024. Furthermore, we have proactively launched innovative, premium products that align with the evolving preferences of our global consumers and distribution partners, fortifying our reputation as a trendsetter in the TV market.

In the TV market this year, super big TVs of 75 inches or more and premium TVs priced over USD 1,500 are driving market growth. The demand for such products are especially increasing in North America, Europe, Korea, Southeast Asia, and China, but intensifying competition and ongoing increases in panel prices is pressuring profitability.

Despite challenges in the business environment, we broadened our AI TV lineup in 2025 from Neo QLED and OLED to QLED and the Frame, with product launches across various categories—such as Super Big TVs and Q-Series Soundbars—to increase our market share and improve profitability.

We expanded our AI TV lineup significantly, growing from 9 series and 34 models in 2024 to 11 series and 58 models in 2025, offering consumers an even wider range of choices. Our AI TVs apply three core AI functionalities—AI Home, AI Assistant, and AI Viewing optimization—providing users with convenient smart home experiences and translation and video information search features on top of enhanced picture and sound quality.

For 2025, we are planning to launch 7 models across 2 series Neo QLED 8K and 22 models across 4 series for the Neo QLED 4K. The introduction of 100- and 115-inch models in 2025 exceeds the previous maximum display size of 98 inches and will lead the expansion of the Super Big TV market.

In OLED, we will launch 14 models across 3 series, extending the lineup to include models from 42 inches to 83 inches. We will also launch The Premiere 5, an ultra-short throw projector equipped with triple laser technology, capable of projecting a screen up to 100-inches from a distance of approximately 43cm.

Samsung Soundbars, which have maintained the top position in global sales for 11 consecutive years, boast even further enhanced performance. The 2025 Q-Series Soundbar delivers powerful bass with a subwoofer that has been reduced in size by more than half compared to predecessors. Also, the newly launched Convertible Soundbar features a built-in gyro sensor that detects the installment direction and optimizes sound output accordingly.

Moreover, Samsung Art Store, previously available only on the Frame, will feature in the 2025 Neo OLED and QLED lineup. This exclusive art subscription service for Samsung TVs offers access to over 3000 world-famous works of art through partnerships with around 70 global museums and galleries, enabling consumers to enjoy art in their everyday lives.

Also, 2025 Neo QLED 8K models and the Frame Pro are newly equipped with Wireless One Connect Box, which features omnidirectional wireless technology that allows external devices to connect even when located far from the TV, ensuring an uninterrupted viewing experience. We will continue to strengthen our leading position in the global market with timely launches of new products sporting the latest technologies.

## 2) Mobile industry

SEC has always been at the forefront of the smartphone market, and we led the global market in shipments for fourteen consecutive years. (TechInsights, March 2025).

To solidify our status in the overall mobile market, we continue to bolster the competitiveness of our products, including tablets, wearables (smart watches, wireless earphones, etc.), and accessories as well as our content and services businesses, such as digital health and digital wallet.

For smartphones, we establish optimal portfolios for each region, accounting for varying market conditions and the competitive environment, to offer a wide smartphone lineup ranging from mass-market to premium devices. We have been providing premium smartphones and delivering differentiated user experiences that can meet customer needs via our cutting-edge technology, which includes functions supported by generative AI, such as searches, real-time interpretation/translation, automatic summarization, and photo editing, Dynamic AMOLED 2X (120Hz) displays, digital key and content sharing using UWB (ultra wideband), ultrasonic fingerprint-on-display (FoD), and cameras specialized for night mode and 8K video recording.

In 2019, we secured early leadership in the 5G market with the release of the world's first 5G smartphone while also creating a new market with Galaxy Z Fold, enabled by foldable displays. In 2020, we launched Galaxy Z Flip, a vertically folding smartphone. The Z Flip series, characterized by its iconic design and high portability, has played a significant role in boosting preference for Galaxy products among woman and the younger generation. We continued enhancing unique foldable experiences by leveraging our technology leadership and focusing usability centering on customer values. Thus, we subsequently released the fifth and sixth generations of the Galaxy Z series, continuing to lead the foldable market.

In February 2025, we launched Galaxy S25, delivering a more enhanced and personalized mobile experiences with Galaxy AI. One UI 7, our integrated platform, offers a more natural and intuitive user experience and understands the user's context through various touchpoints like texts, voice, and images to deliver personalized AI experiences. In addition, it features the most powerful performance to date and enhanced camera experiences with the AI-powered next-generation ProVisual Engine.

In addition, we provide richer mobile experiences for our smartphone users with Galaxy Ecosystem products, including tablets that help boost productivity via virtual meetings, multitasking, and note-taking with large-screen display and S Pen; Smart watches that offer advanced fitness and wellness features with biometric sensor technology; smart rings that provide customized health information with comfortable wearability; and wireless earbuds that deliver rich, superior sound experiences.

Not content to dwell on our achievements in hardware, we have been focusing on delivering practical and helpful services such as Samsung Wallet (formerly Samsung Pay) and Samsung Health. We are evolving Samsung Wallet into a service that can replace physical wallets through functionalities that can be used for ID cards, tickets, and more, going well beyond a

mere payment system. Samsung Health will strengthen its position as a comprehensive health management platform through new form factors and AI features.

Furthermore, we have continued our commitment to sustainability management through technological innovation by expanding the use of recycled materials in our products. Notably, Galaxy S25 incorporates eight types of recycled materials, including gold and copper; and for batteries, we introduced a more circular recycling system in which we extract cobalt directly from used batteries of older Galaxy devices.

In addition, Samsung in May 2023 introduced a self-repair program, and we are expanding the program’s target models and countries, adding to our efforts to preserve the environment by minimizing e-waste.

Going forward, we will use our industry-leading R&D capabilities to keep providing our customers with new values via continual technological innovations and our thorough preparations for the future.

**DS Division**

**Industry overview**

In general, our Semiconductor business is divided into Memory (storage) and System LSI (logical processing). Memory semiconductor is divided into RAM products (random access memory, ones that can be both written on and read) and ROM products (read only memory).

RAM is called volatile memory as any stored information is deleted when the power is turned off. It is used for temporary loading and storage of application programs. ROM is nonvolatile and holds memory even when power is removed; it is used in input/output system, IC cards, and more.

For System LSI products, there are many categories for various applications. SoCs for mobile devices that are equipped with CPUs, GPUs, ISPs (image signal processors), and modems are our major products. The Company manufactures mobile APs for smartphones and tablets, and image sensors.

The Foundry Business makes customized semiconductors for fabless companies based on customer designs. The business resembles OEMs in the traditional manufacturing industry in the sense that companies consign the manufacturing of their products to fabrication plants, also called foundries or fabs. Many integrated device manufacturers have transitioned to fabless players due to the advancement of semiconductor processing technologies and an increased investment burden. Consequently, only a few companies (approximately five) with large capex dominate the overall foundry market.

**Market condition**

In the memory market in 1Q25, demand for server DRAM remained solid with major data centers and tech companies continuing to invest in AI servers. In the server SSD market, demand remained relatively weak as some datacenter projects were delayed, while the demand recovery for PC and mobile has been somewhat better than previously projected. Overall, we are monitoring direct and indirect impacts of volatile tariff policies of major countries. In the PC and mobile, where prices have been rising recently, we plan to respond flexibly to market demand with a focus on profitability.

We expect the foundry market in 2025 to grow centering on advanced nodes, driven by the expansion of AI Agent services across industries and the development of emerging businesses such as robotics. However, the global semiconductor supply chain is facing uncertainties due to the tariff policies of the US.

DRAM market share

Product	1Q25	2024	2023
DRAM	35.8%	41.5%	42.2%

Global market share in revenue; data from research firm *DRAMeXchange*; 1Q25 data is based on the company’s estimates

**Business condition**

We have seen preemptive purchasing activities in the memory market in the second quarter following the pause on reciprocal tariffs. In server, demand is expected to increase due to solid demand for AI servers and the perception that the market price

had reached a bottom. For PC and mobile, we expect demand to continue its momentum, given the earlier-than-forecast normalization of memory inventory on the back of stimulated domestic demand in China. For DRAM, we plan to strengthen our position in the high-value-added market by expanding our initial response to demand for enhanced HBM3E products and operating a product-mix focused on high-density server products. For NAND, based on our product-mix flexibility, we plan to focus supply on applications showing signs of recovery and improve cost competitiveness by accelerating the transition to V8 across all applications.

System LSI in 2025 is projected to see a decline in demand due to growing macroeconomic uncertainties. However, we plan to overcome the challenge by expanding orders for high-value-added products and diversifying our customer base and applications. In the SoC business, demand is solid for Galaxy S24/FE and A series (A55) smartphones, as well as for Google products. In image sensors, we are leading the 200-megapixel market with enhanced wide-angle and zoom functionalities, while also expanding orders for high resolution products in the automotive sensor segment. In DDIs, we are strengthening our leadership in the OLED mobile chip market and have newly secured major customers in the LCD TV chip market. Power IC Solutions is diversifying through new products for servers, and Security Solutions is expanding opportunities by enhancing security features in consumer devices.

Foundry is strengthening its technology and development competitiveness and manufacturing, and business capabilities by establishing strategies tailored to each node and application in line with market changes. For advanced nodes, we are securing mobile and HPC demand based on stable yields from the 4nm process. In particular, we plan to mass produce and launch 3nm mobile products in the first half and 2nm mobile products in the second half of the year to secure demand from key customers. For mature nodes, we are concentrating on expanding applications and diversifying our portfolio through investments in and the development of specialty processes, including for RF and Automotive, to simultaneously improve profitability and enhance node longevity. We will expand our business opportunities in line with the evolving markets by enhancing collaboration with customers and strengthening competitiveness across the board, including development, orders, production, and supply.

## SDC

### Industry overview

Display refers to screens in electronic devices. Active matrix technology is most commonly used in displays, including OLED (organic light emitting diode), QD-OLED (quantum dot organic light emitting diode), and TFT- LCD (thin film transistor liquid crystal display).

OLED panels use organic materials, which offer sharp contrast and color, high color gamut, and fast response rates. Such differentiating features provide advantages for use in smartphones where display features (multimedia contents, online experience, etc.) are important, and as a result, OLED adoption in the smartphone market is growing rapidly.

The market had raised concerns over the production of high-resolution, durable panels, but we overcame various technological challenges and advanced the business. OLED panels make up for the shortcomings of LCD panels, and they can be increasingly adopted into variable applications in foldables, IT (tablet/notebook PCs), automotives, etc. The OLED market is forecast to keep growing. QD-OLED, a self-emissive display with quantum dots (semiconductor particles a few nanometers in size) in the panel to maximize color gamut and viewing angle, is capturing attention under expectations that it will lead the premium TV and monitor markets.

### Market condition

The market for smartphone display panels in 2025 is anticipated remain similar year-on-year at 1.55 billion units. For smartphone-use OLED panels, the market is forecast to reach 0.85 billion units in 2025, up from 0.78 billion units in 2024, and the OLED portion of smartphone panels is expected to increase to 54.5% in 2025 from 50.7% in 2024 (Omdia, April 2025).

The market for large display panels is expected to grow to 0.91 billion units in 2025 from 0.87 billion units in 2024 (Omdia, April 2025).

## Smartphone panel market share

Product	1Q25	2024	2023
Smartphone panels	39.5%	41.0%	50.1%

Global market share in revenue; figure for 1Q25 is estimate from research firm *Omdia*.

## Business condition

The Company has continued to stay atop the mobile OLED market in terms of market share since it successfully commercialized OLED products in 2007, marking a world's first. We diversified our product group to include displays for foldable products, tablets, watches, laptops, and automotive applications, solidifying our position as the top player in the OLED display market.

With both flexible and rigid OLED, our optimal smartphone product portfolio ranges from mass-market to premium devices as we proactively address customers' specific needs; and we are recognized as having best-in-class technology through our introduction of foldable and IT (tablet/Note PC) products with differentiated technologies and designs.

In 2025, although the smartphone market is forecast to remain stagnant due to increasing global uncertainties, we expect OLED penetration to keep rising, driven by the expansion of AI and growing demand for high-performance displays. Amid heightened competition among panel makers, we will maintain our competitive edge by strengthening product competitiveness by leveraging low-power consumption technology and an expanded product lineup featuring differentiated designs.

Regarding the 8.6G IT OLED line, preparations are tracking well with the mass production schedule, with a target of driving sales growth and leading the expanding IT OLED market. Beyond IT, we will further strengthen our business leadership by expanding our product portfolio within areas such as automotive and gaming.

In the large display market, the share of self-luminous displays continues to grow. We will strengthen our technological capabilities in QD display to increase sales of high-performance products while enhancing fundamentals, such as production efficiency, to reinforce our business competitiveness.

## Harman

### Industry overview

Harman competes in the automotive and lifestyle audio industries. The automotive component business accounts for the largest portion of Harman's business, and it operates business in areas such as digital cockpits, car audio, and telematics.

Consumers view vehicles not only as a mode of transportation, but also as an opportunity to enjoy in-cabin experiences. In response to such consumer needs, the market is shifting toward software defined vehicles (SDVs) that can be upgraded with software, similar to IT products. Automakers are working to introduce a centralized automotive architecture and strengthen software functionality, which has led to numerous innovations. As a result, the products supplied by automotive component manufacturers are undergoing rapid technological changes, and competition in this area seems poised to intensify. Accordingly, Harman will strengthen its software technology capabilities to align with the shift to SDVs, nurture core automotive components for in-cabin experiences, and develop new products with high growth potential such as AR HUD, display and driver monitoring. Meanwhile, we are focused on offering differentiated user experiences that increase convenience by applying Samsung's software and service capabilities to vehicles.

The Lifestyle audio business has two segments: consumer audio and professional audio solutions. Consumer audio products (e.g., true wireless stereo, portable speakers, headphones) were formerly confined to audio playback devices, but thanks to the recent adoption of wireless technologies and increasing integration of AI, they are transforming into technology-centric IT devices. Such changes have brought IT companies into the consumer audio market, and they are now competing with traditional audio-focused firms that possess sound engineering technologies.

The consumer audio market is expected to see high growth in segments such as TWS headphones, home audio products, and gaming headphones, and consumer desire is continuing to grow for premium audio experiences such as high-quality and lossless sound. In response to such trends, Harman is enhancing its business capabilities and competitiveness in high-growth areas and continuously launching new products to address market demands. To cater to consumer needs for premium

audio experiences, Harman in 4Q23 acquired Roon Labs LLC, a US company that specializes in high-quality and lossless audio playback technology, offering our consumers with high quality audio experiences. We plan to differentiate our lineup and strengthen market competitiveness by integrating Roon’s technology into products in other divisions.

**Market condition**

Automobile production in 1Q25 showed weakness in North America and Europe, but it remained strong in China. Overall, the global market declined slightly year-on-year (S&P Global Light Vehicle Production Forecast; March 2025). Looking ahead, there are chances than inflationary pressures may accelerate due to new US-led global trade policies and related tariffs. As of April, 2025, the negative impact of tariffs, policy uncertainties, and conservative market approaches by OEM customers have potential to lead to a decline in global automotive demand in 2025.

In 1Q25, digital cockpit revenue declined mainly due to a sharp drop in sales from certain customer projects nearing the end of their life cycle and delays in projects that recently began production, which were behind their original schedule. As a result, market share decreased.

Digital cockpit market share

Product	1Q25	2024	2023
Digital cockpits	12.3%	12.5%	16.5%

Digital cockpits refer to the digital automotive component which enables safe driving environment via infotainment system, etc.  
Global market share in revenue; figures from research firm TechInsights; 1Q25 data is based on the company’s estimates

**Business condition**

Harman is positioned to stay at the forefront in the digital cockpit and car audio markets, which are key markets for in-cabin experiences in the automotive component industry. To fortify Harman’s position, we will continue to actively address the ongoing IT transformation in vehicles by integrating our technologies, including wireless communication and display, into Harman’s automotive business. Amid the shift toward software-defined vehicles, Harman remains committed to elevating customer in-cabin experiences by consistently pursuing the development of distinctive, innovative technologies.

Through its proprietary sound engineering capabilities and multi-brand strategies targeting diverse consumer groups, Harman has expanded its brand recognition and influence as professional audio company among consumers and audiophiles alike. We will further fortify our reputation and position in the audio industry by enhancing collaboration with other divisions and launching new products.

**D. Financial summary, by organization**

In 1Q25 by organization, DX accounted for 65.3% of revenue with reported revenue of KRW 51,717.2 billion; DS contributed approximately 31.8% with revenue of KRW 25,131.0 billion; SDC was responsible for 7.4% with revenue of KRW 5,866.9 billion; and Harman contributed 4.3% with revenue of KRW 3,419.4 billion.

In 1Q25, DX accounted for an operating profit of KRW 4,721.9 billion; DS with KRW 1,105.5 billion; SDC with KRW 462.2 billion; and Harman with KRW 306.9 billion.



(KRW 100 mil)

Organization	Classification	1Q25		2024		2023	
		Amount	Portion of corresponding total	Amount	Portion of corresponding total	Amount	Portion of corresponding total
DX Division	Revenue	517,172	65.3%	1,748,877	58.1%	1,699,923	65.7%
	Operating profit	47,219	70.6%	124,399	38.0%	143,847	219.0%
	Total assets	2,699,449	37.5%	2,596,713	36.2%	2,342,534	37.2%
DS Division	Revenue	251,310	31.8%	1,110,660	36.9%	665,945	25.7%
	Operating profit	11,055	16.5%	150,945	46.1%	-148,795	-226.6%
	Total assets	3,366,314	46.7%	3,430,454	47.8%	2,871,411	45.6%
SDC	Revenue	58,669	7.4%	291,578	9.7%	309,754	12.0%
	Operating profit	4,622	6.9%	37,334	11.4%	55,665	84.8%
	Total assets	803,744	11.2%	821,980	11.4%	792,752	12.6%
Harman	Revenue	34,194	4.3%	142,749	4.7%	143,885	5.6%
	Operating profit	3,069	4.6%	13,076	4.0%	11,737	17.9%
	Total assets	212,233	2.9%	209,347	2.9%	179,566	2.9%

Includes inter-divisional transactions.

### Reasonable allocation of common SG&A (selling general & administrative) expenses and assets

(1) For common SG&A expenses, specific expenses that are allocable to a specific product/model are allocated to Divisions that are responsible for such product/model. However, common expenses that cannot be attributed to a specific product/model category are reasonably allocated throughout the Company based on an allocation standard (expense-to-revenue ratio, number of personnel, etc.).

(2) For common assets, assets that can be directly allocated (inventory assets, fixed assets, investment assets, etc.) are allocated to the corresponding organizational unit. Assets that are commonly managed and cannot be directly allocated are allocated to each Division based on an allocation standard (expense-to-revenue ratio, pre-tax profit, etc.).

### III Financial Affairs

#### 1. Condensed Financial Statements

##### A. Consolidated financial statements

(KRW mil)

Classification	2025	2024	2023
	March 31, 2025	December 31, 2024	December 31, 2023
<b>Current assets</b>	222,685,717	227,062,266	195,936,557
- Cash and cash equivalents	53,161,004	53,705,579	69,080,893
- Short-term financial instruments	51,943,037	58,909,334	22,690,924
- Other current financial assets	29,521	36,877	635,393
- Trade receivables	44,866,585	43,623,073	36,647,393
- Inventories	53,220,267	51,754,865	51,625,874
- Others	19,465,303	19,032,538	15,256,080
<b>Non-current assets</b>	293,691,031	287,469,682	259,969,423
- Other non-current financial assets	11,518,647	11,756,681	8,912,691
- Investment in associates and joint ventures	12,600,953	12,592,117	11,767,444
- Property, plant, and equipment	207,385,768	205,945,209	187,256,262
- Intangible assets	26,695,086	23,738,566	22,741,862
- Others	35,490,577	33,437,109	29,291,164
<b>Total assets</b>	516,376,748	514,531,948	455,905,980
<b>Current liabilities</b>	90,279,712	93,326,299	75,719,452
<b>Non-current liabilities</b>	19,482,767	19,013,579	16,508,663
<b>Total liabilities</b>	109,762,479	112,339,878	92,228,115
<b>Equity attributable to owners of the parent company</b>	395,861,094	391,687,603	353,233,775
- Capital stock	897,514	897,514	897,514
- Share premium	4,403,893	4,403,893	4,403,893
- Retained earnings	373,062,171	370,513,188	346,652,238
- Others	17,497,516	15,873,008	1,280,130
<b>Non-controlling interests</b>	10,753,175	10,504,467	10,444,090
<b>Total Equity</b>	406,614,269	402,192,070	363,677,865
	Jan-Mar 2025	Jan-Dec 2024	Jan-Dec 2023
<b>Revenue</b>	79,140,503	300,870,903	258,935,494
<b>Operating profit</b>	6,685,272	32,725,961	6,566,976



<b>Profit for the period</b>	8,222,878	34,451,351	15,487,100
- Owners of the parent company	8,028,407	33,621,363	14,473,401
- Non-controlling interests	194,471	829,988	1,013,699
<b>Basic earnings per share (KRW)</b>	1,192	4,950	2,131
<b>Diluted earnings per share (KRW)</b>	1,192	4,950	2,131
Number of companies subject to consolidation accounting	231	229	233

Data shown in conformity with K-IFRS.

Please refer to the footnotes of the 2023 and 2024 Consolidated Audit Reports and the 2025 first-quarter Interim Consolidated Financial Statements for the calculation of basic earnings per share (ordinary shares).

## B. Separate financial statements

(KRW mil)

Classification	2025	2024	2023
	Mar 31, 2025	December 31, 2024	December 31, 2023
<b>Current assets</b>	75,606,503	82,320,322	68,548,442
- Cash and cash equivalents	3,288,472	1,653,766	6,061,451
- Short-term financial instruments	1,414,698	10,187,991	50,071
- Trade receivables	34,181,288	33,840,357	27,363,016
- Inventories	29,610,322	29,154,115	29,338,151
- Others	7,111,723	7,484,093	5,735,753
<b>Non-current assets</b>	246,931,494	242,645,805	228,308,847
- Other non-current financial assets	2,502,109	2,176,346	1,854,504
- Subsidiary, associate, and joint venture investments	58,701,899	57,427,196	57,392,438
- Property, plant and equipment	152,497,152	151,446,870	140,579,161
- Intangible assets	11,113,176	10,496,956	10,440,211
- Others	22,117,158	21,098,437	18,042,533
<b>Total assets</b>	322,537,997	324,966,127	296,857,289
<b>Current liabilities</b>	75,949,386	80,157,976	41,775,101
<b>Non-current liabilities</b>	8,732,874	8,411,494	30,294,414
<b>Total liabilities</b>	84,682,260	88,569,470	72,069,515
- Capital stock	897,514	897,514	897,514
- Share premium	4,403,893	4,403,893	4,403,893
- Retained earnings	234,618,166	233,734,316	219,963,351
- Others	-2,063,836	-2,639,066	-476,984

<b>Total Equity</b>	237,855,737	236,396,657	224,787,774
Evaluation method of subsidiary, associate, and joint venture investment securities	Cost methods	Cost methods	Cost methods
	Jan-Mar 2025	Jan-Dec 2024	Jan-Dec 2023
<b>Revenue</b>	55,534,871	209,052,241	170,374,090
<b>Operating profit</b>	1,469,273	12,361,034	-11,526,297
<b>Profit for the period</b>	6,387,197	23,582,565	25,397,099
<b>Basic earnings per share (KRW)</b>	948	3,472	3,739
<b>Diluted earnings per share (KRW)</b>	948	3,472	3,739

Data shown in conformity with K-IFRS.

Please refer to the footnotes of the 2023 and 2024 Audit Reports and 2025 first-quarter Interim Consolidated Financial Statements for the calculation of basic earnings per share (ordinary shares).

## 2. Consolidated financial statements

### Samsung Electronics Co., Ltd. and its subsidiaries

#### INTERIM CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

	Notes	March 31, 2025 KRW	December 31, 2024 KRW	March 31, 2025 USD	December 31, 2024 USD
<b>Assets</b>					
<b>Current assets</b>					
Cash and cash equivalents	3, 25	53,161,004	53,705,579	36,632,501	37,007,760
Short-term financial instruments	3, 25	51,943,037	58,909,334	35,793,217	40,593,595
Short-term financial assets at fair value through profit or loss	3, 4, 25	29,521	36,877	20,343	25,411
Trade receivables	3, 25	44,866,585	43,623,073	30,916,934	30,060,047
Non-trade receivables	3, 25	9,141,453	9,622,974	6,299,247	6,631,056
Prepaid expenses		3,553,132	3,362,824	2,448,413	2,317,275
Inventories	5	53,220,267	51,754,865	36,673,338	35,663,551
Other current assets	3, 25	6,770,718	6,046,740	4,665,607	4,166,723
		<b>222,685,717</b>	<b>227,062,266</b>	<b>153,449,600</b>	<b>156,465,418</b>
<b>Non-current assets</b>					
Financial assets at fair value through other comprehensive income	3, 4, 25	10,288,577	10,580,932	7,089,714	7,291,172
Financial assets at fair value through profit or loss	3, 4, 25	1,230,070	1,175,749	847,624	810,192
Investments in associates and joint ventures	6	12,600,953	12,592,117	8,683,140	8,677,051
Property, plant and equipment	7	207,385,768	205,945,209	142,906,620	141,913,951
Intangible assets	8	26,695,086	23,738,566	18,395,209	16,357,912
Net defined benefit assets	11	2,742,083	3,089,571	1,889,531	2,128,980
Deferred income tax assets		16,821,230	14,236,468	11,591,273	9,810,150
Other non-current assets	3, 25	15,927,264	16,111,070	10,975,253	11,101,912
		<b>293,691,031</b>	<b>287,469,682</b>	<b>202,378,364</b>	<b>198,091,320</b>
Total assets		<b>516,376,748</b>	<b>514,531,948</b>	<b>355,827,964</b>	<b>354,556,738</b>

The above interim consolidated statements of financial position should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF FINANCIAL POSITION – (Continued)**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

		March 31,	December 31,	March 31,	December 31,
	Notes	2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Liabilities and Equity</b>					
<b>Current liabilities</b>					
Trade payables	3, 25	14,496,195	12,370,177	9,989,124	8,524,115
Short-term borrowings	3, 9, 25	5,333,859	13,172,504	3,675,487	9,076,987
Other payables	3, 25	20,753,988	18,547,365	14,301,282	12,780,729
Advances received	14	1,857,522	1,841,420	1,279,992	1,268,897
Withholdings	3, 25	1,075,205	991,812	740,909	683,444
Accrued expenses	3, 14, 25	28,182,718	29,613,258	19,420,315	20,406,080
Current income tax liabilities		6,281,482	4,340,171	4,328,481	2,990,751
Current portion of long-term liabilities	3, 9, 10, 25	2,035,992	2,207,290	1,402,973	1,521,013
Provisions	12	8,357,439	8,216,469	5,758,994	5,661,853
Other current liabilities	3, 14, 25	1,905,312	2,025,833	1,312,924	1,395,973
		<b>90,279,712</b>	<b>93,326,299</b>	<b>62,210,481</b>	<b>64,309,842</b>
<b>Non-current liabilities</b>					
Debentures	3, 10, 25	14,518	14,530	10,004	10,012
Long-term borrowings	3, 9, 25	3,759,579	3,935,860	2,590,673	2,712,146
Long-term other payables	3, 25	5,609,891	5,510,455	3,865,697	3,797,177
Net defined benefit liabilities	11	528,203	521,410	363,977	359,296
Deferred income tax liabilities		535,948	528,231	369,314	363,997
Long-term provisions	12	2,917,989	3,120,044	2,010,745	2,149,978
Other non-current liabilities	3, 14, 25	6,116,639	5,383,049	4,214,890	3,709,383
		<b>19,482,767</b>	<b>19,013,579</b>	<b>13,425,300</b>	<b>13,101,989</b>
<b>Total liabilities</b>		<b>109,762,479</b>	<b>112,339,878</b>	<b>75,635,781</b>	<b>77,411,831</b>

The above interim consolidated statements of financial position should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF FINANCIAL POSITION – (Continued)**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

		March 31,	December 31,	March 31,	December 31,
	Notes	2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Equity attributable to owners of the parent company</b>					
Preference shares	15	119,467	119,467	82,323	82,323
Ordinary shares	15	778,047	778,047	536,141	536,141
Share premium		4,403,893	4,403,893	3,034,661	3,034,661
Retained earnings	16	373,062,171	370,513,188	257,071,902	255,315,434
Other components of equity	17	17,497,516	15,873,008	12,057,293	10,937,867
		<b>395,861,094</b>	<b>391,687,603</b>	<b>272,782,320</b>	<b>269,906,426</b>
Non-controlling interests		10,753,175	10,504,467	7,409,863	7,238,481
<b>Total equity</b>		<b>406,614,269</b>	<b>402,192,070</b>	<b>280,192,183</b>	<b>277,144,907</b>
<b>Total liabilities and equity</b>		<b>516,376,748</b>	<b>514,531,948</b>	<b>355,827,964</b>	<b>354,556,738</b>

The above interim consolidated statements of financial position should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF PROFIT OR LOSS**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Revenue</b>	26	79,140,503	71,915,601	54,534,609	49,556,031
<b>Cost of sales</b>	18	51,009,931	45,886,332	35,150,227	31,619,627
<b>Gross profit</b>		<b>28,130,572</b>	<b>26,029,269</b>	<b>19,384,382</b>	<b>17,936,404</b>
Selling and administrative expenses	18, 19	21,445,300	19,423,260	14,777,655	13,384,296
<b>Operating profit</b>	26	<b>6,685,272</b>	<b>6,606,009</b>	<b>4,606,727</b>	<b>4,552,108</b>
Other non-operating income	20	1,106,305	445,281	762,339	306,837
Other non-operating expense	20	241,413	381,393	166,354	262,813
Share of net profit of associates and joint ventures	6	118,853	214,833	81,900	148,038
Financial income	21	3,970,884	3,484,504	2,736,280	2,401,123
Financial expense	21	2,488,325	2,662,511	1,714,670	1,834,699
<b>Profit before income tax</b>		<b>9,151,576</b>	<b>7,706,723</b>	<b>6,306,222</b>	<b>5,310,594</b>
Income tax expense	22	928,698	952,015	639,952	656,020
<b>Profit for the period</b>		<b>8,222,878</b>	<b>6,754,708</b>	<b>5,666,270</b>	<b>4,654,574</b>
<b>Profit attributable to</b>					
Owners of the parent company		8,028,407	6,621,030	5,532,262	4,562,459
Non-controlling interests		194,471	133,678	134,008	92,115
Earnings per share <i>(in Korean won and in US dollars)</i>	23				
- Basic		1,192	975	0.82	0.67
- Diluted		1,192	975	0.82	0.67

The above interim consolidated statements of profit or loss should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Profit for the period</b>		<b>8,222,878</b>	<b>6,754,708</b>	<b>5,666,270</b>	<b>4,654,574</b>
<b>Other comprehensive income (loss)</b>					
<b>Items that will not be reclassified subsequently to profit or loss:</b>					
Gain (loss) on valuation of financial assets at fair value through other comprehensive income, net of tax	17	(73,550)	511,479	(50,682)	352,453
Share of other comprehensive income of associates and joint ventures, net of tax	17	25,384	(12,818)	17,492	(8,833)
Remeasurement of net defined benefit liabilities (assets), net of tax	17	(31,780)	(82,243)	(21,899)	(56,672)
<b>Items that may be reclassified subsequently to profit or loss:</b>					
Share of other comprehensive income of associates and joint ventures, net of tax	17	30,483	52,627	21,006	36,265
Foreign currency translation differences for foreign operations, net of tax	17	1,265,204	4,514,980	871,834	3,111,209
Gain (loss) on valuation of cash flow hedge derivatives	17	(2,703)	10,927	(1,863)	7,530
<b>Other comprehensive income for the period, net of tax</b>		<b>1,213,038</b>	<b>4,994,952</b>	<b>835,888</b>	<b>3,441,952</b>
<b>Total comprehensive income for the period</b>		<b>9,435,916</b>	<b>11,749,660</b>	<b>6,502,158</b>	<b>8,096,526</b>
<b>Comprehensive income attributable to:</b>					
Owners of the parent company		9,312,323	11,534,271	6,416,990	7,948,104
Non-controlling interests		123,593	215,389	85,168	148,422

The above interim consolidated statements of comprehensive income should be read in conjunction with the accompanying notes.

Samsung Electronics Co., Ltd. and its subsidiaries

INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(In millions of Korean won)

For the three-month period ended March 31, 2025	Notes	Preference shares	Ordinary shares	Share premium	Retained earnings	Other components of equity	Equity attributable to owners of the parent company	Non-controlling interests	Total
<b>Balance as of January 1, 2025</b>		119,467	778,047	4,403,893	370,513,188	15,873,008	391,687,603	10,504,467	402,192,070
Profit for the period		-	-	-	8,028,407	-	8,028,407	194,471	8,222,878
Gain (loss) on valuation of financial assets at fair value through other comprehensive income, net of tax	17	-	-	-	23,923	(59,586)	(35,663)	(37,887)	(73,550)
Share of other comprehensive income (loss) of associates and joint ventures, net of tax	17	-	-	-	-	56,242	56,242	(375)	55,867
Foreign currency translation differences for foreign operations, net of tax	17	-	-	-	-	1,297,814	1,297,814	(32,610)	1,265,204
Remeasurement of net defined benefit liabilities (assets), net of tax	17	-	-	-	-	(31,774)	(31,774)	(6)	(31,780)
Loss on valuation of cash flow hedge derivatives	17	-	-	-	-	(2,703)	(2,703)	-	(2,703)
<b>Total comprehensive income for the period</b>		-	-	-	<b>8,052,330</b>	<b>1,259,993</b>	<b>9,312,323</b>	<b>123,593</b>	<b>9,435,916</b>
Dividends declared	16	-	-	-	(2,454,307)	-	(2,454,307)	(79,267)	(2,533,574)
Capital transactions under common control		-	-	-	-	-	-	379	379
Changes in consolidated entities		-	-	-	-	-	-	204,003	204,003
Purchase of treasury shares	15	-	-	-	-	(2,955,851)	(2,955,851)	-	(2,955,851)
Retirement of treasury shares	15	-	-	-	(3,049,040)	3,049,040	-	-	-
Share-based compensation	17	-	-	-	-	271,326	271,326	-	271,326
<b>Total transactions with owners</b>		-	-	-	<b>(5,503,347)</b>	<b>364,515</b>	<b>(5,138,832)</b>	<b>125,115</b>	<b>(5,013,717)</b>
<b>Balance as of March 31, 2025</b>		119,467	778,047	4,403,893	373,062,171	17,497,516	395,861,094	10,753,175	406,614,269

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.



**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY – (Continued)**

*(In thousands of US dollars (Note 2.3))*

For the three-month period ended March 31, 2025	Notes	Preference shares	Ordinary shares	Share premium	Retained earnings	Other components of equity	Equity attributable to owners of the parent company	Non-controlling interests	Total
<b>Balance as of January 1, 2025</b>		82,323	536,141	3,034,661	255,315,434	10,937,867	269,906,426	7,238,481	277,144,907
Profit for the period		-	-	-	5,532,262	-	5,532,262	134,008	5,666,270
Gain (loss) on valuation of financial assets at fair value through other comprehensive income, net of tax	17	-	-	-	16,485	(41,060)	(24,575)	(26,107)	(50,682)
Share of other comprehensive income (loss) of associates and joint ventures, net of tax	17	-	-	-	-	38,756	38,756	(258)	38,498
Foreign currency translation differences for foreign operations, net of tax	17	-	-	-	-	894,305	894,305	(22,471)	871,834
Remeasurement of net defined benefit liabilities (assets), net of tax	17	-	-	-	-	(21,895)	(21,895)	(4)	(21,899)
Loss on valuation of cash flow hedge derivatives	17	-	-	-	-	(1,863)	(1,863)	-	(1,863)
<b>Total comprehensive income for the period</b>		-	-	-	5,548,747	868,243	6,416,990	85,168	6,502,158
Dividends declared	16	-	-	-	(1,691,228)	-	(1,691,228)	(54,622)	(1,745,850)
Capital transactions under common control		-	-	-	-	-	-	260	260
Changes in consolidated entities		-	-	-	-	-	-	140,576	140,576
Purchase of treasury shares	15	-	-	-	-	(2,036,835)	(2,036,835)	-	(2,036,835)
Retirement of treasury shares	15	-	-	-	(2,101,051)	2,101,051	-	-	-
Share-based compensation	17	-	-	-	-	186,967	186,967	-	186,967
<b>Total transactions with owners</b>		-	-	-	(3,792,279)	251,183	(3,541,096)	86,214	(3,454,882)
<b>Balance as of March 31, 2025</b>		82,323	536,141	3,034,661	257,071,902	12,057,293	272,782,320	7,409,863	280,192,183

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY – (Continued)**

*(In millions of Korean won)*

For the three-month period ended March 31, 2024	No te s	Prefere nce shares	Ordinar y shares	Share premiu m	Retaine d earnin gs	Other compon ents of equity	Equity attribut able to owners of the parent compan y	Non- control ling interes ts	Total
<b>Balance as of January 1, 2024</b>		119,467	778,047	4,403,893	346,652,238	1,280,130	353,233,775	10,444,090	363,677,865
Profit for the period		-	-	-	6,621,030	-	6,621,030	133,678	6,754,708
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax		-	-	-	27,563	435,213	462,776	48,703	511,479
Share of other comprehensive income (loss) of associates and joint ventures, net of tax		-	-	-	-	48,594	48,594	(8,785)	39,809
Foreign currency translation differences for foreign operations, net of tax		-	-	-	-	4,473,803	4,473,803	41,177	4,514,980
Remeasurement of net defined benefit liabilities (assets), net of tax		-	-	-	-	(82,859)	(82,859)	616	(82,243)
Gain on valuation of cash flow hedge derivatives		-	-	-	-	10,927	10,927	-	10,927
<b>Total comprehensive income for the period</b>		-	-	-	6,648,593	4,885,678	11,534,271	215,389	11,749,660
Dividends declared	1 6	-	-	-	(2,452,977)	-	(2,452,977)	(1,026,368)	(3,479,345)
Capital transactions under common control		-	-	-	-	-	-	(15)	(15)
Others		-	-	-	-	-	-	(32,041)	(32,041)
<b>Total transactions with owners</b>		-	-	-	(2,452,977)	-	(2,452,977)	(1,058,424)	(3,511,401)
<b>Balance as of March 31, 2024</b>		119,467	778,047	4,403,893	350,847,854	6,165,808	362,315,069	9,601,055	371,916,124

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY – (Continued)**

*(In thousands of US dollars (Note 2.3))*

For the three-month period ended March 31, 2024	Notes	Preference shares	Ordinary shares	Share premium	Retained earnings	Other components of equity	Equity attributable to owners of the parent company	Non-controlling interests	Total
<b>Balance as of January 1, 2024</b>		82,323	536,141	3,034,661	238,873,188	882,120	243,408,433	7,196,876	250,605,309
Profit for the period		-	-	-	4,562,459	-	4,562,459	92,115	4,654,574
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax		-	-	-	18,993	299,899	318,892	33,561	352,453
Share of other comprehensive income (loss) of associates and joint ventures, net of tax		-	-	-	-	33,485	33,485	(6,053)	27,432
Foreign currency translation differences for foreign operations, net of tax		-	-	-	-	3,082,835	3,082,835	28,374	3,111,209
Remeasurement of net defined benefit liabilities (assets), net of tax		-	-	-	-	(57,097)	(57,097)	425	(56,672)
Gain on valuation of cash flow hedge derivatives		-	-	-	-	7,530	7,530	-	7,530
<b>Total comprehensive income for the period</b>		-	-	-	4,581,452	3,366,652	7,948,104	148,422	8,096,526
Dividends declared	16	-	-	-	(1,690,312)	-	(1,690,312)	(707,256)	(2,397,568)
Capital transactions		-	-	-	-	-	-	(10)	(10)

under common  
control  
Changes in  
consolidated  
entities

- - - - - (22,079) (22,079)

**Total  
transactions  
with owners**

- - - (1,690,312) - (1,690,312) (729,345) (2,419,657)

**Balance as of  
March 31,  
2024**

82,323 536,141 3,034,661 241,764,328 4,248,772 249,666,225 6,615,953 256,282,178

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF CASH FLOWS**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Operating activities</b>					
Profit for the period		8,222,878	6,754,708	5,666,270	4,654,574
Adjustments	24	11,957,684	8,747,019	8,239,872	6,027,448
Changes in assets and liabilities arising from operating activities	24	(3,639,774)	(3,395,289)	(2,508,117)	(2,339,646)
<b>Cash generated from operations</b>		<b>16,540,788</b>	<b>12,106,438</b>	<b>11,398,025</b>	<b>8,342,376</b>
Interest received		1,579,942	1,098,569	1,088,716	757,008
Interest paid		(112,541)	(164,248)	(77,550)	(113,181)
Dividends received		4,523	35,935	3,117	24,762
Income tax paid		(1,431,846)	(1,210,388)	(986,665)	(834,061)
<b>Net cash provided by operating activities</b>		<b>16,580,866</b>	<b>11,866,306</b>	<b>11,425,643</b>	<b>8,176,904</b>
<b>Investing activities</b>					
Net decrease (increase) in short-term financial instruments		7,129,878	(12,174,719)	4,913,099	(8,389,428)
Net decrease in short-term financial assets at amortized cost		-	620,858	-	427,825
Net increase (decrease) in short-term financial assets at fair value through profit or loss		7,357	(1,020)	5,070	(703)
Disposal of long-term financial instruments		470,135	4,100,008	323,963	2,825,258
Acquisition of long-term financial instruments		(601,024)	(129,053)	(414,157)	(88,929)
Disposal of financial assets at fair value through other comprehensive income		203,065	53,306	139,929	36,732
Acquisition of financial assets at fair value through other comprehensive income		(13,281)	(24,070)	(9,152)	(16,586)
Disposal of financial assets at fair value through profit or loss		8,053	92,282	5,549	63,590
Acquisition of financial assets at fair value through profit or loss		(10,362)	(5,924)	(7,140)	(4,082)
Disposal of investment in associates and joint ventures		2,081	11,731	1,434	8,084
Acquisition of investment in associates and joint ventures		(13,965)	(6,342)	(9,623)	(4,370)
Disposal of property, plant and equipment		31,361	14,964	21,610	10,311
Acquisition of property, plant and equipment		(12,127,934)	(13,421,626)	(8,357,189)	(9,248,654)
Disposal of intangible assets		10,228	340	7,048	234
Acquisition of intangible assets		(1,257,544)	(1,143,551)	(866,556)	(788,005)
Net cash outflow from business combination		(214,033)	-	(147,487)	-
Cash inflow from disposal of held-for-sale assets		-	101,563	-	69,986
Cash outflow from other investing activities		(55,202)	(99,498)	(38,039)	(68,562)
<b>Net cash used in investing activities</b>		<b>(6,431,187)</b>	<b>(22,010,751)</b>	<b>(4,431,641)</b>	<b>(15,167,299)</b>

The above interim consolidated statements of cash flows should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd. and its subsidiaries**

**INTERIM CONSOLIDATED STATEMENTS OF CASH FLOWS – (Continued)**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Financing activities</b>					
Net increase (decrease) in short-term borrowings		(7,856,026)	2,451,071	(5,413,477)	1,688,999
Increase in long-term borrowings		1,559	118,450	1,074	81,622
Repayment of debentures and long-term borrowings		(452,816)	(295,008)	(312,029)	(203,286)
Dividends paid		(78,965)	(1,012,836)	(54,414)	(697,931)
Purchase of treasury shares		(2,955,851)	-	(2,036,835)	-
Transactions with non-controlling interests		379	(15)	261	(10)
<b>Net cash provided by (used in) financing activities</b>		<b>(11,341,720)</b>	<b>1,261,662</b>	<b>(7,815,420)</b>	<b>869,394</b>
Effect of foreign exchange rate changes		647,466	1,707,987	446,159	1,176,950
<b>Net decrease in cash and cash equivalents</b>		<b>(544,575)</b>	<b>(7,174,796)</b>	<b>(375,259)</b>	<b>(4,944,051)</b>
<b>Cash and cash equivalents, beginning of the period</b>		<b>53,705,579</b>	<b>69,080,893</b>	<b>37,007,760</b>	<b>47,602,673</b>
<b>Cash and cash equivalents, end of the period</b>		<b>53,161,004</b>	<b>61,906,097</b>	<b>36,632,501</b>	<b>42,658,622</b>

The above interim consolidated statements of cash flows should be read in conjunction with the accompanying notes.

### 3. Notes to consolidated financial statements

#### 1. General Information

##### 1.1 Company Overview

Samsung Electronics Co., Ltd. (“SEC”) was incorporated under the laws of the Republic of Korea in 1969 and listed its shares on the Korea Stock Exchange in 1975. SEC and its subsidiaries (collectively referred to as the “Company”) operate four business divisions: DX, DS, SDC and Harman. DX (Device eXperience) division comprises businesses for digital televisions, refrigerators, smartphones and communication systems. DS (Device Solutions) division comprises businesses for memory, foundry, and system Large Scale Integration (LSI). SDC includes display panels products. Harman division includes connected car systems, audio and visual products, enterprise automation solutions and connected services. SEC is domiciled in the Republic of Korea and is located in Suwon, the Republic of Korea.

These consolidated financial statements have been prepared in accordance with Korean International Financial Reporting Standards (“Korean IFRS”) 1110, *Consolidated Financial Statements*. SEC, as the controlling company, consolidates its 230 subsidiaries, including Samsung Display Co., Ltd. and Samsung Electronics America Inc. The Company also applies the equity method of accounting for its 34 associates and joint ventures, including Samsung Electro-Mechanics Co., Ltd.

##### 1.2 Consolidated Subsidiaries

The consolidated subsidiaries as of March 31, 2025 are as follows:

Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
America	Samsung Electronics America, Inc. (SEA)	Sale of electronic devices	100.0
	Samsung International, Inc. (SII)	Manufacture of electronic devices	100.0
	Samsung Mexicana S.A. de C.V (SAMEX)	Manufacture of electronic devices	100.0
	Samsung Electronics Home Appliances America, LLC (SEHA)	Manufacture of home appliances	100.0
	Samsung Research America, Inc. (SRA)	Research and Development (R&D)	100.0
	Samsung Next LLC (SNX)	Management of overseas subsidiaries	100.0
	Samsung Next Fund LLC (SNXF)	Technology business, venture capital investments	100.0
	NeuroLogica Corp.	Manufacture and sale of medical equipment	100.0
	Samsung Lennox HVAC North America, LLC	Sale of air conditioning products	50.1
	Joyent, Inc.	Cloud services	100.0
	SmartThings, Inc.	Sale of smart home electronics	100.0
	TeleWorld Solutions, Inc. (TWS)	Deployment and optimization of network devices	100.0
	Samsung Semiconductor, Inc. (SSI)	Sale of semiconductor and display panels	100.0
	Samsung Federal, Inc. (SFI)	R&D	100.0
	Samsung Austin Semiconductor LLC. (SAS)	Manufacture of semiconductors	100.0
	Samsung Oak Holdings, Inc. (SHI)	Management of overseas subsidiaries	100.0
	SEMES America, Inc.	Maintenance of semiconductor equipment	100.0
	Samsung Display America Holdings, Inc. (SDAH)	Management of overseas subsidiaries	100.0
	eMagin Corporation	Development and manufacture of display panels	100.0
	Samsung Electronics Canada, Inc. (SECA)	Sale of electronic devices	100.0
	AdGear Technologies Inc.	Digital advertising platforms	100.0
	Sonio Corporation	Sale of medical software	100.0

<sup>(\*)</sup> Ownership represents the Company’s ownership of the voting rights in each entity, including subsidiaries’ ownerships.

Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
America	RAINBOW ROBOTICS USA Co., Ltd.	Sale of robots	100.0
	Samsung Eletronica da Amazonia Ltda. (SEDA)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Mexico S.A. De C.V. (SEM)	Sale of electronic devices	100.0
	Samsung Electronics Digital Appliance Mexico, SA de CV (SEDAM)	Manufacture of home appliances	100.0
	Samsung Electronics Latinoamerica (Zona Libre), S. A. (SELA)	Sale of electronic devices	100.0
	Samsung Electronics Latinoamerica Miami, Inc. (SEMI)	Sale of electronic devices	100.0
	Samsung Electronica Colombia S.A. (SAMCOL)	Sale of electronic devices	100.0
	Samsung Electronics Argentina S.A. (SEASA)	Marketing and services	100.0
	Samsung Electronics Chile Limitada (SECH)	Sale of electronic devices	100.0
	Samsung Electronics Peru S.A.C. (SEPR)	Sale of electronic devices	100.0
	Samsung Electronics Venezuela, C.A. (SEVEN)	Marketing and services	100.0
	Samsung Electronics Panama. S.A. (SEPA)	Consulting	100.0
	Harman International Industries, Inc.	Management of overseas subsidiaries	100.0
	Harman Becker Automotive Systems, Inc.	Manufacture and sale of audio products and R&D	100.0
	Harman Connected Services, Inc.	Connected service provider	100.0
	Harman Connected Services Engineering Corp.	Connected service provider	100.0
	Harman da Amazonia Industria Eletronica e Participacoes Ltda.	Manufacture and sale of audio products	100.0
	Harman de Mexico, S. de R.L. de C.V.	Manufacture of audio products	100.0
	Harman do Brasil Industria Eletronica e Participacoes Ltda.	Sale of audio products and R&D	100.0
	Harman International Industries Canada Ltd.	Sale of audio products	100.0
	Harman International Mexico, S. de R.L. de C.V.	Sale of audio products	100.0
	Harman KG Holding, LLC	Management of overseas subsidiaries	100.0
	Harman Professional, Inc.	Sale of audio products and R&D	100.0
	Roon Labs, LLC.	Sale of audio products	100.0
	Beijing Integrated Circuit Industry International Fund, L.P	Venture capital investments	61.4
	China Materialia New Materials 2016 Limited Partnership	Venture capital investments	99.0

<sup>(\*)</sup> Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.



Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
Europe/CIS	Samsung Electronics (UK) Ltd. (SEUK)	Sale of electronic devices	100.0
	Samsung Electronics Ltd. (SEL)	Management of overseas subsidiaries	100.0
	Samsung Semiconductor Europe Limited (SSEL)	Sale of semiconductor and display panels	100.0
	Samsung Electronics GmbH (SEG)	Sale of electronic devices	100.0
	Samsung Electronics Holding GmbH (SEHG)	Management of overseas subsidiaries	100.0
	Samsung Semiconductor Europe GmbH (SSEG)	Sale of semiconductor and display panels	100.0
	Samsung Electronics France S.A.S (SEF)	Sale of electronic devices	100.0
	Samsung Electronics Italia S.P.A. (SEI)	Sale of electronic devices	100.0
	Samsung Electronics Iberia, S.A. (SESA)	Sale of electronic devices	100.0
	Samsung Electronics Portuguesa, Unipessoal, Lda. (SEP)	Sale of electronic devices	100.0
	Samsung Electronics Hungarian Private Co. Ltd. (SEH)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Europe Logistics B.V. (SELS)	Logistics	100.0
	Samsung Electronics Benelux B.V. (SEBN)	Sale of electronic devices	100.0
	Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	Management of overseas subsidiaries	100.0
	Samsung Electronics Nordic Aktiebolag (SENA)	Sale of electronic devices	100.0
	Samsung Electronics Slovakia s.r.o (SESK)	Manufacture of TV and monitors	100.0
	Samsung Electronics Polska, SP.Zo.o (SEPOL)	Sale of electronic devices	100.0
	Samsung Electronics Poland Manufacturing SP.Zo.o (SEPM)	Manufacture of home appliances	100.0
	Samsung Electronics Romania LLC (SEROM)	Sale of electronic devices	100.0
	Samsung Electronics Austria GmbH (SEAG)	Sale of electronic devices	100.0
	Samsung Electronics Switzerland GmbH (SESG)	Sale of electronic devices	100.0
	Samsung Electronics Czech and Slovak s.r.o. (SECZ)	Sale of electronic devices	100.0
	Samsung Electronics Baltics SIA (SEB)	Sale of electronic devices	100.0
	Samsung Electronics Greece S.M.S.A (SEGR)	Sale of electronic devices	100.0
	Samsung Electronics Air Conditioner Europe B.V. (SEACE)	Sale of air conditioning products	100.0
	Samsung Nanoradio Design Center (SNDC)	R&D	100.0
	Samsung Denmark Research Center ApS (SDRC)	R&D	100.0
	Samsung Cambridge Solution Centre Limited (SCSC)	R&D	100.0
	SAMSUNG Zhilabs, S.L.	Development and sale of network solutions	100.0
	FOODIENT LTD.	R&D	100.0
	Oxford Semantic Technologies Limited (OST)	R&D	100.0
	Sonio SAS	Sale of software and R&D	100.0
	Samsung Electronics Rus Company LLC (SERC)	Sale of electronic devices	100.0
	Samsung Electronics Rus Kaluga LLC (SERK)	Manufacture of TV	100.0
	Samsung Electronics Ukraine Company LLC (SEUC)	Sale of electronic devices	100.0
	Samsung R&D Institute Ukraine (SRUKR)	R&D	100.0
	Samsung Electronics Central Eurasia LLP (SECE)	Sale of electronic devices	100.0
	Samsung R&D Institute Rus LLC (SRR)	R&D	100.0
	Samsung Electronics Caucasus Co. Ltd (SECC)	Marketing	100.0
	Samsung Electronics Uzbekistan Ltd. (SEUZ)	Marketing	100.0

(\*) Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
Europe/CIS	AKG Acoustics GmbH	Manufacture and sale of audio products	100.0
	Apostera UA, LLC	Connected Service Provider	100.0
	Harman Audio Iberia Espana Sociedad Limitada	Sale of audio products	100.0
	Harman Becker Automotive Systems GmbH	Manufacture and sale of audio products and R&D	100.0
	Harman Becker Automotive Systems Italy S.R.L.	Sale of audio products	100.0
	Harman Becker Automotive Systems Manufacturing Kft	Manufacture of audio products and R&D	100.0
	Harman Belgium SA	Sale of audio products	100.0
	Harman Connected Services AB.	Connected service provider	100.0
	Harman Finland Oy	Connected service provider	100.0
	Harman Connected Services GmbH	Connected service provider	100.0
	Harman Connected Services Poland Sp.zoo	Connected service provider	100.0
	Harman Connected Services UK Ltd.	Connected service provider	100.0
	Harman Consumer Nederland B.V.	Sale of audio products	100.0
	Harman Deutschland GmbH	Sale of audio products	100.0
	Harman France SNC	Sale of audio products	100.0
	Harman Holding GmbH & Co. KG	Management company	100.0
	Harman Hungary Financing Ltd.	Financing company	100.0
	Harman Inc. & Co. KG	Management of overseas subsidiaries	100.0
	Harman International Estonia OU	R&D	100.0
	Harman International Industries Limited	Sale of audio products and R&D	100.0
	Harman International Romania SRL	R&D	100.0
	Harman Management GmbH	Management of overseas subsidiaries	100.0
	Harman Professional Kft	Manufacture of audio products and R&D	100.0
	Harman Professional Denmark ApS	Sale of audio products and R&D	100.0
	Red Bend Software SAS	Software design	100.0
	Studer Professional Audio GmbH	Sale of audio products and R&D	100.0
	Harman Connected Services OOO	Connected service provider	100.0
	Harman RUS CIS LLC	Sale of audio products	100.0

(\*) Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
Middle East & Africa	Samsung Gulf Electronics Co., Ltd. (SGE)	Sale of electronic devices	100.0
	Samsung Electronics Turkiye (SETK)	Sale of electronic devices	100.0
	Samsung Electronics Industry and Commerce Ltd. (SETK-P)	Manufacture of electronic devices	100.0
	Samsung Electronics Levant Co., Ltd. (SELV)	Sale of electronic devices	100.0
	Samsung Electronics Maghreb Arab (SEMAG)	Sale of electronic devices	100.0
	Samsung Electronics Egypt S.A.E (SEEG)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Israel Ltd. (SEIL)	Marketing	100.0
	Samsung Electronics Tunisia S.A.R.L (SETN)	Marketing	100.0
	Samsung Electronics Pakistan(Private) Ltd. (SEPAK)	Marketing	100.0
	Samsung Electronics Middle East and North Africa (SEMENA)	Management of overseas subsidiaries	100.0
	Samsung Electronics Saudi Arabia Ltd. (SESAR)	Sale of electronic devices	100.0
	Samsung Semiconductor Israel R&D Center, Ltd. (SIRC)	R&D	100.0
	Corephotonics Ltd.	R&D	100.0
	Samsung Electronics South Africa(Pty) Ltd. (SSA)	Sale of electronic devices	100.0
	Samsung Electronics South Africa Production (Pty) Ltd. (SSAP)	Manufacture of TV and monitors	100.0
	Samsung Electronics West Africa Ltd. (SEWA)	Marketing	100.0
	Samsung Electronics East Africa Ltd. (SEEA)	Marketing	100.0
	Global Symphony Technology Group Private Ltd.	Management of overseas subsidiaries	100.0
	Harman Connected Services Morocco	Connected service provider	100.0
	Harman Industries Holdings Mauritius Ltd.	Management of overseas subsidiaries	100.0
	Red Bend Ltd.	Manufacture of audio products	100.0
Asia (Excluding China)	Samsung Asia Pte. Ltd. (SAPL)	Management of overseas subsidiaries	100.0
	Samsung Electronics Singapore Pte. Ltd. (SESP)	Sale of electronic devices	100.0
	Samsung Malaysia Electronics (SME) Sdn. Bhd. (SME)	Sale of electronic devices	100.0
	Samsung Electronics Display (M) Sdn. Bhd. (SDMA)	Manufacture of electronic devices	100.0
	Samsung Electronics (M) Sdn. Bhd. (SEMA)	Manufacture of home appliances	100.0
	Samsung Vina Electronics Co., Ltd. (SAVINA)	Sale of electronic devices	100.0
	Samsung Electronics Vietnam Co., Ltd. (SEV)	Manufacture of electronic devices	100.0
	Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	Manufacture of communication equipment	100.0
	Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	Manufacture and sale of electronic devices	100.0
	Samsung Display Vietnam Co., Ltd. (SDV)	Manufacture of display panels	100.0
	PT Samsung Electronics Indonesia (SEIN)	Manufacture and sale of electronic devices	100.0
	PT Samsung Telecommunications Indonesia (STIN)	Sale of electronic devices and services	100.0
	Thai Samsung Electronics Co., Ltd. (TSE)	Manufacture and sale of electronic devices	91.8
	Laos Samsung Electronics Sole Co., Ltd (LSE)	Marketing	100.0
	Samsung Electronics Philippines Corporation (SEPCO)	Sale of electronic devices	100.0
	Samsung Electronics Australia Pty. Ltd. (SEAU)	Sale of electronic devices	100.0
	Samsung Electronics New Zealand Limited (SENZ)	Sale of electronic devices	100.0
	Samsung India Electronics Private Ltd. (SIEL)	Manufacture and sale of electronic devices	100.0
	Red Brick Lane Marketing Solutions Pvt. Ltd.	Marketing	100.0
	Samsung Display Noida Private Limited (SDN)	Manufacture of display panels	100.0
	Samsung R&D Institute India-Bangalore Private Limited (SRIBangalore)	R&D	100.0
	Samsung R&D Institute Bangladesh Limited (SRBD)	R&D	100.0
	Samsung Nepal Services Pvt, Ltd (SNSL)	Service	100.0
	Samsung Japan Corporation (SJC)	Sale of semiconductor and display panels	100.0

(\*) Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
Asia (Excluding China)	Samsung R&D Institute Japan Co. Ltd. (SRJ)	R&D	100.0
	Samsung Electronics Japan Co., Ltd. (SEJ)	Sale of electronic devices	100.0
	Harman Connected Services Corp. India Pvt. Ltd.	Connected service provider	100.0
	Harman International (India) Private Limited	Sale of audio products and R&D	100.0
	Harman International Industries PTY Ltd.	Management of overseas subsidiaries	100.0
	Harman International (Thailand) Co., Ltd.	Manufacture and sale of audio products	100.0
	Harman International Japan Co., Ltd.	Sale of audio products and R&D	100.0
	Harman Singapore Pte. Ltd.	Sale of audio products	100.0
China	Samsung (CHINA) Investment Co., Ltd. (SCIC)	Sale of electronic devices	100.0
	Samsung Electronics Hong Kong Co., Ltd. (SEHK)	Sale of electronic devices	100.0
	Samsung Electronics Taiwan Co., Ltd. (SET)	Sale of electronic devices	100.0
	Suzhou Samsung Electronics Co., Ltd. (SSEC)	Manufacture of home appliances	88.3
	Samsung Suzhou Electronics Export Co., Ltd. (SSEC-E)	Manufacture of home appliances	100.0
	Samsung Electronics Suzhou Computer Co., Ltd. (SESC)	R&D	100.0
	Tianjin Samsung Telecom Technology Co., Ltd. (TSTC)	Manufacture of communication equipment	90.0
	Beijing Samsung Telecom R&D Center (SRC-Beijing)	R&D	100.0
	Samsung Electronics China R&D Center (SRC-Nanjing)	R&D	100.0
	Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou)	R&D	100.0
	Samsung R&D Institute China-Shenzhen (SRC-Shenzhen)	R&D	100.0
	Shanghai Samsung Semiconductor Co., Ltd. (SSS)	Sale of semiconductor and display panels	100.0
	Samsung (China) Semiconductor Co., Ltd. (SCS)	Manufacture of semiconductors	100.0
	Samsung SemiConductor Xian Co., Ltd. (SSCX)	Sale of semiconductor and display panels	100.0
	Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS)	Toll processing of semiconductors	100.0
	Tianjin Samsung LED Co., Ltd. (TSLED)	Manufacture of LED	100.0
	Samsung Semiconductor (China) R&D Co., Ltd. (SSCR)	R&D	100.0
	Samsung Display Dongguan Co., Ltd. (SDD)	Manufacture of display panels	100.0
	Samsung Display Tianjin Co., Ltd. (SDT)	Manufacture of display panels	95.0
	SEMES (XIAN) Co., Ltd.	Semiconductor/FPD equipment services	100.0
	Samsung Semiconductor Investment L.P.I	Technology business, Venture capital investments	99.0
	Harman (China) Technologies Co., Ltd.	Manufacture of audio products	100.0
	Harman (Suzhou) Audio and Infotainment Systems Co., Ltd.	Sale of audio products	100.0
	Harman Automotive Electronic Systems (Suzhou) Co., Ltd.	Manufacture of audio products and R&D	100.0
	Harman Commercial (Shanghai) Co., Ltd.	Sale of audio products	100.0
	Harman Connected Services Solutions (Chengdu) Co., Ltd.	Connected service provider	100.0
	Harman Holding Limited	Sale of audio products	100.0
	Harman International (China) Holdings Co., Ltd.	Sale of audio products and R&D	100.0
	Harman Technology (Shenzhen) Co., Ltd.	Sale of audio products and R&D	100.0

(\*) Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Business	Percentage of ownership (%) <sup>(*)</sup>
Domestic	Samsung Display Co., Ltd.	Manufacture and sale of display panels	84.8
	SU Materials	Manufacture of display panel components	50.0
	STECO Co., Ltd.	Manufacture of semiconductor components	70.0
	SEMES Co., Ltd.	Manufacture and sale of semiconductor/FPD	91.5
	Samsung Electronics Service Co., Ltd.	Repair services for electronic devices	99.3
	Samsung Electronics Service Customer Satisfaction Co., Ltd.	Call center for repair services for electronic devices	100.0
	Samsung Electronics Sales Co., Ltd.	Sale of electronic devices	100.0
	Samsung Electronics Logitech Co., Ltd.	General logistics agency	100.0
	Samsung Medison Co., Ltd.	Manufacture and sale of medical equipment	68.5
	Stella Forest of Hope	Manufacture of food	100.0
	Mirero System Co., Ltd.	Development and supply of semiconductor process defect and quality control software	99.9
	Harman International Korea	Software development and supply	100.0
	Rainbow Robotics Co., Ltd.	Manufacture and sale of robots and robot parts	35.0
	Samsung Venture Capital Union #21	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #22	Technology business, Venture capital investments	99.0
	Samsung Venture Capital Union #26	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #28	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #32	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #33	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #37	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #42	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #43	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #45	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #52	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #55	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #56	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #57	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #62	Venture capital investments in technology business	99.0
	Samsung Venture Capital Union #67	Venture capital investments in technology business	99.0
	Growth Type Private Equity Trust Specialized in Semiconductors	Investment in semiconductor industry	66.7
	System LSI Mutual Benefit Private Equity Trust	Investment in semiconductor industry	62.5
	Semiconductor Ecosystem Private Equity Trust	Investment in semiconductor industry	66.7

(\*) Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

### 1.3 Summary of Financial Data of Major Consolidated Subsidiaries

Summary of financial data of major consolidated subsidiaries is as follows:

(1) 2025

<i>(In millions of Korean won)</i>	As of March 31, 2025		For the three-month period ended March 31, 2025	
	Assets	Liabilities	Sales	Profit (loss) for the period
Major subsidiaries <sup>(*)</sup>				
Samsung Display Co., Ltd.	67,062,224	6,303,491	4,997,613	1,771,889
Samsung Electronics America, Inc. (SEA)	53,150,556	20,596,279	10,745,329	519,723
Samsung Asia Pte. Ltd. (SAPL)	35,504,644	412,264	-	4,257,369
Samsung Austin Semiconductor LLC. (SAS)	28,701,583	17,035,728	1,260,276	250,728
Harman and its subsidiaries <sup>(*)</sup>	21,223,257	6,547,406	3,407,203	221,856
Samsung (China) Semiconductor Co., Ltd. (SCS)	19,139,290	925,610	2,244,357	277,424
Samsung Semiconductor, Inc. (SSI)	17,460,865	9,116,302	11,173,398	104,920
Samsung (CHINA) Investment Co., Ltd. (SCIC)	15,498,974	14,568,895	779,838	63,170
Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	11,604,082	3,882,055	10,752,874	385,556
Samsung India Electronics Private Ltd. (SIEL)	10,723,614	3,733,208	5,353,288	658,633
Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	9,359,768	3,411,402	-	87,139
Samsung Electronics Vietnam Co., Ltd. (SEV)	6,561,447	2,220,029	6,342,126	312,936
Samsung Display Vietnam Co., Ltd. (SDV)	6,529,903	1,752,276	3,691,019	120,519
Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	5,197,422	1,002,686	2,031,256	146,968
Samsung Eletronica da Amazonia Ltda. (SEDA)	5,182,653	1,780,157	2,063,974	(14,555)
Shanghai Samsung Semiconductor Co., Ltd. (SSS)	4,987,398	4,887,425	5,492,290	92,472
Samsung Electronics (UK) Ltd. (SEUK)	3,302,442	2,225,094	1,803,028	142,973
Samsung Electronics Europe Logistics B.V. (SELS)	2,869,544	2,507,004	4,726,561	129,718
Samsung International, Inc. (SII)	2,548,950	647,557	1,785,204	67,005
Samsung Electronics Mexico S.A. De C.V. (SEM)	2,532,153	1,236,784	1,181,423	109,090
Samsung Electronics GmbH (SEG)	2,425,444	2,300,704	1,858,894	51,045
Thai Samsung Electronics Co., Ltd. (TSE)	2,387,013	869,059	1,460,599	107,395
SEMES Co., Ltd.	2,348,438	650,136	535,021	39,860
Samsung Electronics Benelux B.V. (SEBN)	2,130,456	861,664	905,081	53,279
Samsung Japan Corporation (SJC)	1,941,768	1,637,520	732,564	3,043

<sup>(\*)</sup> Summary of financial information is based on separate financial statements of each subsidiary.

<sup>(\*)</sup> Consolidated financial data of an intermediate company that includes Harman International Industries, Inc. and its subsidiaries.

(2) 2024

(In millions of Korean won)

Major subsidiaries <sup>(*)</sup>	As of December 31, 2024		For the three-month period ended March 31, 2024	
	Assets	Liabilities	Sales	Profit for the period
Samsung Display Co., Ltd.	67,541,382	8,305,660	4,416,769	1,988,742
Samsung Electronics America, Inc. (SEA)	50,777,503	18,653,435	10,802,156	320,694
Samsung Asia Pte. Ltd. (SAPL)	31,226,978	353,722	-	4,268,036
Samsung Austin Semiconductor LLC. (SAS)	27,546,958	16,107,374	1,047,393	137,751
Samsung Semiconductor, Inc. (SSI)	21,719,875	13,462,128	6,886,736	71,338
Harman and its subsidiaries <sup>(*)2</sup>	20,934,732	6,714,174	3,188,425	181,434
Samsung (China) Semiconductor Co., Ltd. (SCS)	18,796,411	900,205	3,062,668	278,116
Samsung (CHINA) Investment Co., Ltd. (SCIC)	16,111,528	15,246,946	824,353	56,727
Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	13,497,264	3,802,597	11,035,651	955,233
Samsung India Electronics Private Ltd. (SIEL)	9,561,708	3,226,735	4,473,966	485,100
Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	9,093,393	3,452,430	-	74,334
Samsung Electronics Vietnam Co., Ltd. (SEV)	7,819,080	2,167,121	5,682,381	404,813
Samsung Display Vietnam Co., Ltd. (SDV)	7,724,664	1,955,376	3,580,221	167,858
Shanghai Samsung Semiconductor Co., Ltd. (SSS)	6,467,878	5,635,634	7,245,188	112,888
Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	4,863,158	807,341	1,685,609	55,077
Samsung Eletronica da Amazonia Ltda. (SEDA)	4,679,383	1,486,272	2,127,073	151,276
Samsung Electronics (UK) Ltd. (SEUK)	3,267,763	2,042,914	1,662,705	44,582
Thai Samsung Electronics Co., Ltd. (TSE)	2,637,138	502,266	1,246,205	30,487
Samsung International, Inc. (SII)	2,484,711	646,678	1,657,803	144,799
Samsung Electronics Taiwan Co., Ltd. (SET)	2,411,145	1,642,510	1,493,143	52,453
SEMES Co., Ltd.	2,365,712	705,818	576,056	36,966
Samsung Electronics GmbH (SEG)	2,118,638	2,049,463	1,803,932	24,164
Samsung Electronics Mexico S.A. De C.V. (SEM)	2,017,910	845,480	1,093,900	40,778
Samsung Electronics Europe Logistics B.V. (SELS)	1,928,760	1,710,124	4,310,686	465,913
Samsung Electronics Benelux B.V. (SEBN)	1,894,968	726,412	847,508	70,004

<sup>(\*)1</sup> Summary of financial information is based on separate financial statements of each subsidiary.

<sup>(\*)2</sup> Consolidated financial data of an intermediate company that includes Harman International Industries, Inc. and its subsidiaries.

## 1.4 Changes in Consolidation Scope

Changes in consolidation scope during the three-month period ended March 31, 2025 are as follows:

Change	Region	Subsidiary	Description
Newly included	Domestic	Rainbow Robotics Co., Ltd.	Acquisition
	America	RAINBOW ROBOTICS USA Co., Ltd.	Acquisition

## 2. Material Accounting Policies

### 2.1 Basis of Presentation

The Company maintains its accounting records in Korean won and prepares statutory financial statements in the Korean language (Hangul) in accordance with International Financial Reporting Standards as adopted by the Republic of Korea (“Korean IFRS”). The accompanying interim consolidated financial statements have been condensed, restructured and translated into English from the Korean language financial statements.

The interim consolidated financial statements for the three-month period ended March 31, 2025 have been prepared in accordance with Korean IFRS 1034, *Interim Financial Reporting*. These interim consolidated financial statements have been prepared in accordance with the Korean IFRS which is effective as of March 31, 2025.

#### (A) New and amended standards adopted by the Company

The Company applied the following amended standards for the first time for the annual reporting period commencing January 1, 2025:

##### Amendments to Korean IFRS 1021, *The Effects of Changes in Foreign Exchange Rates*

The amendments require exchangeability of two currencies should be assessed in order to clarify reporting of foreign currency transactions in the absence of normal-functioning foreign exchange market. The amendments also require applicable spot exchange rate should be determined when the assessment indicates two currencies lack exchangeability. The adoption of the amendments does not have a significant impact on the Company’s consolidated financial statements.

#### (B) New and amended standards not yet adopted by the Company

The amended accounting standards issued that are not yet effective for the annual reporting period commencing January 1, 2025 and have not been early adopted by the Company are as follows:

##### Amendments to Korean IFRS 1109, *Financial Instruments* and Korean IFRS 1107, *Financial Instruments: Disclosures*

The amendments have been implemented in order to respond to questions raised in practice and include new requirements. The amendments are effective for annual reporting periods beginning on or after January 1, 2026, with early application permitted. The amendments are as follows and impact on financial statements is under review by the Company.

- Permission to regard a financial liability as extinguished via an electronic payment system prior to the actual due date of settlement, when specified criteria are met.
- Guidelines to assess whether financial assets are merely composed of principal and interest are clarified and added.
- Disclosure of impact of contract terms that modify time and amount of contractual cash flows and the extent to which company is exposed are disclosed per each category of financial instruments
- Additional disclosure of financial assets measured at fair value through other comprehensive income



## **2.2 Accounting Policies**

Material accounting policies and method of computation used in the preparation of the interim consolidated financial statements are consistent with those of the annual consolidated financial statements for the year ended December 31, 2024, except for the changes due to the application of amendments of standards described in Note 2.1 and as described below.

Income tax expense for the interim period is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The estimated average annual effective income tax rate is applied to the pre-tax income of the interim period.

## **2.3 Convenience Translation into United States Dollar Amounts**

The US dollar amounts provided in the consolidated financial statements represent supplementary information solely for the convenience of the reader. All Korean won amounts are expressed in US dollars at the rate of ₩1,451.2 to \$1, the average exchange rate for the three-month period ended March 31, 2025. Such presentation is not in accordance with generally accepted accounting principles and should not be construed as a representation that the Korean won amounts shown could be readily converted, realized or settled in US dollars at this or at any other rate.

## **2.4 Material Accounting Estimates and Assumptions**

In preparing the interim consolidated financial statements, the management of the Company makes judgements, estimates and assumptions on matters which affect the application of policies and reported amounts of assets, liabilities, income and expenses. Estimates and assumptions are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The resulting accounting estimates, by definition, seldom equal the related actual results

Material accounting estimates and assumptions made in the preparation of the interim consolidated financial statements are consistent with those applied in the preparation of the annual consolidated financial statements for the year ended December 31, 2024, except for the estimates used to determine the income tax expense.

### 3. Financial Instruments by Category

Categorizations of financial assets and liabilities as of March 31, 2025 and December 31, 2024 are as follows:

(1) As of March 31, 2025

<i>(In millions of Korean won)</i>	Financial assets measured at amortized cost	Financial assets measured at fair value through other comprehensive income	Financial assets measured at fair value through profit or loss	Other financial assets <sup>(*)</sup>	Total
<b>Financial assets</b>					
Cash and cash equivalents	53,161,004	-	-	-	53,161,004
Short-term financial instruments	51,943,037	-	-	-	51,943,037
Short-term financial assets at fair value through profit or loss	-	-	29,521	-	29,521
Trade receivables	44,866,585	-	-	-	44,866,585
Financial assets at fair value through other comprehensive income	-	10,288,577	-	-	10,288,577
Financial assets at fair value through profit or loss	-	-	1,230,070	-	1,230,070
Other	15,567,830	-	109,097	22,507	15,699,434
<b>Total</b>	<b>165,538,456</b>	<b>10,288,577</b>	<b>1,368,688</b>	<b>22,507</b>	<b>177,218,228</b>

<sup>(\*)</sup> Other financial assets include derivatives designated as hedging instruments which are not subject to categorizations.

<i>(In millions of Korean won)</i>	Financial liabilities measured at amortized cost	Financial liabilities measured at fair value through profit or loss	Other financial liabilities <sup>(*)</sup>	Total
<b>Financial liabilities</b>				
Trade payables	14,496,195	-	-	14,496,195
Short-term borrowings	315,140	-	5,018,719	5,333,859
Other payables	19,337,259	-	-	19,337,259
Current portion of long-term liabilities	950,219	-	1,085,773	2,035,992
Debentures	14,518	-	-	14,518
Long-term borrowings	6,240	-	3,753,339	3,759,579
Long-term other payables	4,881,844	-	-	4,881,844
Other	13,836,922	47,052	42,551	13,926,525
<b>Total</b>	<b>53,838,337</b>	<b>47,052</b>	<b>9,900,382</b>	<b>63,785,771</b>

<sup>(\*)</sup> Other financial liabilities include collateralized borrowings, lease liabilities and derivatives designated as hedging instruments, which are not subject to categorizations.

(2) As of December 31, 2024

<i>(In millions of Korean won)</i>	Financial assets measured at amortized cost	Financial assets measured at fair value through other comprehensive income	Financial assets measured at fair value through profit or loss	Other financial assets <sup>(*)</sup>	Total
<b>Financial assets</b>					
Cash and cash equivalents	53,705,579	-	-	-	53,705,579
Short-term financial instruments	58,909,334	-	-	-	58,909,334
Short-term financial assets at fair value through profit or loss	-	-	36,877	-	36,877
Trade receivables	43,623,073	-	-	-	43,623,073
Financial assets at fair value through other comprehensive income	-	10,580,932	-	-	10,580,932
Financial assets at fair value through profit or loss	-	-	1,175,749	-	1,175,749
Other	14,378,224	-	476,394	44,262	14,898,880
<b>Total</b>	<b>170,616,210</b>	<b>10,580,932</b>	<b>1,689,020</b>	<b>44,262</b>	<b>182,930,424</b>

(\*) Other financial assets include derivatives designated as hedging instruments which are not subject to categorizations.

<i>(In millions of Korean won)</i>	Financial liabilities measured at amortized cost	Financial liabilities measured at fair value through profit or loss	Other financial liabilities <sup>(*)</sup>	Total
<b>Financial liabilities</b>				
Trade payables	12,370,177	-	-	12,370,177
Short-term borrowings	338,058	-	12,834,446	13,172,504
Other payables	17,390,861	-	-	17,390,861
Current portion of long-term liabilities	1,106,764	-	1,100,526	2,207,290
Debentures	14,530	-	-	14,530
Long-term borrowings	6,537	-	3,929,323	3,935,860
Long-term other payables	4,779,141	-	-	4,779,141
Other	13,698,485	36,795	57,764	13,793,044
<b>Total</b>	<b>49,704,553</b>	<b>36,795</b>	<b>17,922,059</b>	<b>67,663,407</b>

(\*) Other financial liabilities include collateralized borrowings, lease liabilities and derivatives designated as hedging instruments, which are not subject to categorizations.

#### 4. Financial Assets at Fair Value

(A) Details of financial assets at fair value as of March 31, 2025 and December 31, 2024 are as follows:

(1) Financial assets at fair value through other comprehensive income

<i>(In millions of Korean won)</i>	March 31, 2025	December 31, 2024
<b>Non-current portion</b>		
Equity instruments	10,288,577	10,580,932

(2) Financial assets at fair value through profit or loss

<i>(In millions of Korean won)</i>	March 31, 2025	December 31, 2024
<b>Current portion</b>		
Debt instruments	29,521	36,877
<b>Non-current portion</b>		
Equity instruments	567,651	544,374
Debt instruments	662,419	631,375
Subtotal	1,230,070	1,175,749
<b>Total</b>	1,259,591	1,212,626

(B) Details of listed equity securities of financial assets at fair value as of March 31, 2025 and December 31, 2024 are as follows:

	March 31, 2025			December 31, 2024	
<i>(In millions of Korean won and number of shares and percentage)</i>	Number of shares owned	Percentage of ownership <sup>(*)</sup> (%)	Acquisition cost	Carrying amount (Market value)	Carrying amount (Market value)
Samsung Heavy Industries Co., Ltd.	134,027,281	15.2	932,158	1,806,688	1,514,508
Hotel Shilla Co., Ltd.	2,004,717	5.1	13,957	77,182	73,974
iMarketKorea Inc.	647,320	1.9	324	5,017	5,179
Wonik Holdings Co., Ltd.	3,518,342	4.6	30,821	13,317	8,972
Wonik IPS Co., Ltd.	3,701,872	7.5	32,428	89,585	82,737
Wacom Co., Ltd.	8,398,400	5.8	62,013	47,163	57,021
Corning Incorporated	71,000,000	8.3	3,532,814	4,766,682	5,169,226
Other			559,923	828,340	861,115
<b>Total</b>			5,164,438	7,633,974	7,772,732

<sup>(\*)</sup> Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

## 5. Inventories

Inventories as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2025			December 31, 2024		
	Gross amount	Valuation allowance	Carrying amount	Gross amount	Valuation allowance	Carrying amount
Finished goods	15,444,441	(1,471,107)	13,973,334	15,061,526	(1,219,250)	13,842,276
Work in process	25,947,244	(2,606,999)	23,340,245	24,808,183	(2,467,701)	22,340,482
Raw materials and supplies	15,739,355	(1,294,487)	14,444,868	15,442,327	(1,296,048)	14,146,279
Materials in transit	1,461,820	-	1,461,820	1,425,828	-	1,425,828
<b>Total</b>	<b>58,592,860</b>	<b>(5,372,593)</b>	<b>53,220,267</b>	<b>56,737,864</b>	<b>(4,982,999)</b>	<b>51,754,865</b>

## 6. Investments in Associates and Joint Ventures

- (A) Changes in investments in associates and joint ventures for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025	2024
Balance as of January 1	12,592,117	11,767,444
Acquisition	13,965	6,342
Disposal	(2,081)	(11,731)
Share of profit	118,853	214,833
Other <sup>(*)</sup>	(121,901)	(69,115)
<b>Balance as of March 31</b>	<b>12,600,953</b>	<b>11,907,773</b>

<sup>(\*)</sup> Other consists of dividends, impairment, and reclassification.

- (B) Major investments in associates and joint ventures as of March 31, 2025 are as follows:

- (1) Investments in associates

Investee	Nature of relationship	Percentage of ownership(%) <sup>(*)</sup>	Principal business location	Fiscal period-end
Samsung Electro-Mechanics Co., Ltd.	Manufacture and supply electronic components including passive components, circuit boards, and modules	23.7	Korea	December
Samsung SDS Co., Ltd.	Provide Information Technology(IT) services including computer programming, system integration and management and logistical services	22.6	Korea	December
Samsung Biologics Co., Ltd.	Investment in new business	31.2	Korea	December
Samsung SDI Co., Ltd. <sup>(*)</sup>	Manufacture and supply electronic parts including secondary cell batteries	19.6	Korea	December
Cheil Worldwide, Inc.	Advertising agency	25.2	Korea	December

<sup>(\*)</sup> Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

<sup>(\*)</sup> The Company's ownership of ordinary shares outstanding is 20.6%.

- (2) Investments in joint ventures

Investee	Nature of relationship with joint venture	Percentage of ownership (%) <sup>(*)</sup>	Principal business location	Fiscal period-end
Samsung Corning Advanced Glass LLC	Manufacture and supply industrial glass devices	50.0	Korea	December

<sup>(\*)</sup> Ownership represents the Company's ownership of the total ordinary shares issued by the entity.

(C) Details of investments in associates and joint ventures as of March 31, 2025 and December 31, 2024 are as follows:

(1) Investments in associates

<i>(In millions of Korean won)</i>		March 31, 2025	
Investee	Acquisition cost	Net asset value of equity shares <sup>(*)</sup>	Carrying amount
Samsung Electro-Mechanics Co., Ltd.	359,237	2,063,898	2,077,700
Samsung SDS Co., Ltd.	147,963	2,111,858	2,124,500
Samsung Biologics Co., Ltd.	1,424,358	3,521,141	3,525,700
Samsung SDI Co., Ltd.	1,242,605	3,947,348	2,869,667
Cheil Worldwide, Inc.	506,162	396,572	696,822
Other	627,624	867,722	1,073,515
<b>Total</b>	<b>4,307,949</b>	<b>12,908,539</b>	<b>12,367,904</b>

<sup>(\*)</sup> The Company's portion of net asset value of associates is based on the Company's percentage of ownership.

<i>(In millions of Korean won)</i>		December 31, 2024	
Investee	Acquisition cost	Net asset value of equity shares <sup>(*)</sup>	Carrying amount
Samsung Electro-Mechanics Co., Ltd.	359,237	2,058,412	2,067,669
Samsung SDS Co., Ltd.	147,963	2,108,195	2,120,417
Samsung Biologics Co., Ltd.	1,424,358	3,403,947	3,406,062
Samsung SDI Co., Ltd.	1,242,605	3,979,333	2,923,991
Cheil Worldwide, Inc.	506,162	418,029	718,561
Other	674,721	844,623	1,131,648
<b>Total</b>	<b>4,355,046</b>	<b>12,812,539</b>	<b>12,368,348</b>

<sup>(\*)</sup> The Company's portion of net asset value of associates is based on the Company's percentage of ownership.

(2) Investments in joint ventures

(In millions of Korean won)

March 31, 2025

Investee	Acquisition cost	Net asset value of equity shares <sup>(*)</sup>	Carrying amount
Samsung Corning Advanced Glass LLC	215,000	144,142	144,122
Other	259,994	81,001	88,927
<b>Total</b>	<b>474,994</b>	<b>225,143</b>	<b>233,049</b>

<sup>(\*)</sup> The Company's portion of net asset value of joint ventures is based on the Company's percentage of ownership.

(In millions of Korean won)

December 31, 2024

Investee	Acquisition cost	Net asset value of equity shares <sup>(*)</sup>	Carrying amount
Samsung Corning Advanced Glass LLC	215,000	143,198	143,178
Other	259,994	74,075	80,591
<b>Total</b>	<b>474,994</b>	<b>217,273</b>	<b>223,769</b>

<sup>(\*)</sup> The Company's portion of net asset value of joint ventures is based on the Company's percentage of ownership.

(D) Details of the changes in the book value of investments in associates and joint ventures using the equity method are as follows:

(1) For the three-month period ended March 31, 2025

(In millions of Korean won)	Balance as of January 1	Share of profit (loss)	Share of other comprehensive income (loss)	Other <sup>(*)</sup>	Balance as of March 31
Samsung Electro-Mechanics Co., Ltd.	2,067,669	35,865	6,014	(31,848)	2,077,700
Samsung SDS Co., Ltd.	2,120,417	48,193	6,559	(50,669)	2,124,500
Samsung Biologics Co., Ltd.	3,406,062	119,692	(54)	-	3,525,700
Samsung SDI Co., Ltd.	2,923,991	(75,215)	34,354	(13,463)	2,869,667
Cheil Worldwide, Inc.	718,561	8,117	5,861	(35,717)	696,822
Samsung Corning Advanced Glass LLC	143,178	945	-	(1)	144,122
Other	1,212,239	(18,744)	3,133	(34,186)	1,162,442
<b>Total</b>	<b>12,592,117</b>	<b>118,853</b>	<b>55,867</b>	<b>(165,884)</b>	<b>12,600,953</b>

<sup>(\*)</sup> Other consists of acquisitions, disposals, dividends, impairment and reclassification.

(2) For the three-month period ended March 31, 2024

<i>(In millions of Korean won)</i>	Balance as of January 1	Share of profit (loss)	Share of other comprehensive income (loss)	Other <sup>(*)</sup>	Balance as of March 31
Samsung Electro-Mechanics Co., Ltd.	1,841,393	45,620	19,518	(20,346)	1,886,185
Samsung SDS Co., Ltd.	1,966,206	48,113	14,407	(47,175)	1,981,551
Samsung Biologics Co., Ltd.	3,073,595	56,544	(836)	-	3,129,303
Samsung SDI Co., Ltd.	2,912,564	34,211	17,833	(13,463)	2,951,145
Cheil Worldwide, Inc.	669,363	12,260	6,287	(32,232)	655,678
Samsung Corning Advanced Glass LLC	138,938	(710)	-	-	138,228
Other	1,165,385	18,795	(17,400)	(1,097)	1,165,683
<b>Total</b>	<b>11,767,444</b>	<b>214,833</b>	<b>39,809</b>	<b>(114,313)</b>	<b>11,907,773</b>

<sup>(\*)</sup> Other consists of acquisitions, disposals, dividends, impairment, and reclassification.

(E) Summary of the financial information of major associates and joint ventures

(1) Summary of financial information of major associates and dividends received from associates as of March 31, 2025 and December 31, 2024, and for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025				
	Samsung Electro- Mechanics Co., Ltd.	Samsung SDS Co., Ltd.	Samsung Biologics Co., Ltd.	Samsung SDI Co., Ltd.	Cheil Worldwide, Inc.
<b>1. Condensed financial information</b>					
<b>Condensed statements of financial position:</b>					
Current assets	6,466,794	9,235,224	5,263,229	9,734,509	2,494,743
Non-current assets	6,825,737	4,111,373	12,173,748	30,975,557	631,130
Current liabilities	3,558,754	2,648,330	3,619,094	10,095,550	1,397,279
Non-current liabilities	685,885	980,234	2,537,775	9,077,569	329,411
Non-controlling interests	235,307	368,696	-	1,929,432	16,024
<b>Condensed statements of comprehensive income:</b>					
Revenue	2,738,649	3,489,764	1,298,273	3,176,818	1,039,417
Profit from continuing operations, net of tax <sup>(*)</sup>	134,179	211,496	375,554	(226,169)	28,327
Loss from discontinued operations, net of tax <sup>(*)</sup>	(448)	-	-	5,621	-
Other comprehensive income <sup>(*)</sup>	25,820	28,037	(121)	128,613	21,408
Total comprehensive income <sup>(*)</sup>	159,551	239,533	375,433	(91,935)	49,735
<b>2. Dividends from associates</b>					
Dividends	31,848	50,669	-	13,463	35,717

<sup>(\*)</sup> Profit (loss) attributable to owners of the investee

2024



<i>(In millions of Korean won)</i>	<b>Samsung Electro- Mechanics Co., Ltd.</b>	<b>Samsung SDS Co., Ltd.</b>	<b>Samsung Biologics Co., Ltd.</b>	<b>Samsung SDI Co., Ltd.</b>	<b>Cheil Worldwide, Inc.</b>
<b>1. Condensed financial information</b>					
<b>Condensed statements of financial position:</b>					
Current assets	5,891,746	9,003,787	5,518,118	10,334,313	2,754,194
Non-current assets	6,900,656	4,234,543	11,818,179	30,263,032	568,459
Current liabilities	3,056,861	2,495,409	3,853,188	10,855,694	1,594,190
Non-current liabilities	719,688	1,037,472	2,578,432	8,174,413	251,659
Non-controlling interests	226,693	372,330	-	1,800,842	18,806
<b>Condensed statements of comprehensive income:</b>					
Revenue	2,624,289	3,247,268	946,903	5,130,893	1,018,010
Profit from continuing operations, net of tax <sup>(*)</sup>	183,479	210,895	179,362	273,134	42,727
Loss from discontinued operations, net of tax	(373)	-	-	-	-
Other comprehensive income <sup>(*)</sup>	83,481	63,780	383	179,519	21,886
Total comprehensive income <sup>(*)</sup>	266,587	274,675	179,745	452,653	64,613
<b>2. Dividends from associates</b>					
Dividends	20,347	47,175	-	13,463	32,232

<sup>(\*)</sup> Profit (loss) attributable to owners of the investee

- (2) Summary of financial information of major joint ventures and dividends received from joint ventures as of March 31, 2025 and December 31, 2024, and for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>Samsung Corning Advanced Glass, LLC</b>	
	<b>2025</b>	<b>2024</b>
<b>Condensed financial information</b>		
<b>Condensed statements of financial position:</b>		
Current assets	125,063	120,786
Non-current assets	199,770	199,017
Current liabilities	36,390	33,294
Non-current liabilities	159	113
<b>Condensed statements of comprehensive income:</b>		
Revenue	44,582	35,370
Profit (loss) for the period	1,887	(1,420)
Other comprehensive income	-	-
Total comprehensive income	1,887	(1,420)
<b>Dividends from joint ventures</b>		
Dividends	-	-

- (3) Profit (loss) attributable to owners of the parent company from associates and joint ventures which are not individually material for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>		<b>2024</b>	
	<b>Associates</b>	<b>Joint ventures</b>	<b>Associates</b>	<b>Joint ventures</b>
Profit from continuing operations	(19,460)	716	18,101	694
Other comprehensive income (loss)	(1,668)	4,801	(17,824)	424
<b>Total comprehensive income (loss)</b>	<b>(21,128)</b>	<b>5,517</b>	<b>277</b>	<b>1,118</b>

- (F) Details of marketable investments in associates as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won and number of shares)</i>	<b>March 31, 2025</b>		<b>December 31, 2024</b>
	<b>Number of shares held</b>	<b>Market value</b>	<b>Market value</b>
Samsung Electro-Mechanics Co., Ltd.	17,693,084	2,284,177	2,190,404
Samsung SDS Co., Ltd.	17,472,110	2,030,259	2,232,936
Samsung Biologics Co., Ltd.	22,217,309	22,528,351	21,084,226
Samsung SDI Co., Ltd.	13,462,673	2,537,714	3,332,012
Cheil Worldwide, Inc.	29,038,075	523,266	492,195

(G) Other matters

On July 12, 2018, the Korea Securities and Futures Commission determined an initial measure following an investigation relating to Samsung Biologics Co., Ltd., an associate of the Company, and its accounting for its investment in Samsung Bioepis Co., Ltd, a joint venture between Biogen Therapeutics Inc. and Samsung Biologics Co., Ltd. This measure included a recommendation to dismiss the director in charge, prosecution charges, and external auditor designation by the regulator, on the basis that the Joint Venture Agreement was not disclosed in the notes to the financial statements. On November 14, 2018, the Korea Securities and Futures Commission determined a second measure which included a penalty of ₩8,000 million, a recommendation to dismiss the CEO, a requirement to restate its financial statements, and further prosecution charges.

To prove justification of its accounting treatment, Samsung Biologics Co., Ltd. filed a suit for cancellation of the aforementioned measures to the Seoul Administrative Court, which is currently in progress. On September 24, 2020, the Seoul Administrative Court announced a decision to cancel the first measure charged by the Korea Securities and Futures Commission and suspended its execution until the final rulings of the appeal. On October 16, 2020, the Korea Securities and Futures Commission appealed the decision and the litigation is in progress at Seoul High Court. On August 14, 2024, Seoul Administrative Court announced a decision to cancel the second measure charged by the Korea Securities and Futures Commission, but on August 28, 2024, the Korea Securities and Futures Commission appealed the decision and the litigation is in progress at Seoul High Court.

Samsung Biologics Co., Ltd. also filed for suspending the execution of the initial and second measures. On January 22, 2019 and February 19, 2019, the Seoul Administrative Court pronounced decisions to suspend the second and initial measures, respectively, until the final rulings. The Korea Securities and Futures Commission immediately appealed against the decisions but the appeals were dismissed by the Seoul High Court on May 13, 2019 and May 24, 2019, in relation to the second and first measures, respectively. On May 23, 2019 and June 10, 2019, the Korea Securities and Futures Commission re-appealed against the dismissals relating to the second and first measures, respectively. On September 6, 2019 and October 11, 2019, the Supreme Court of Korea dismissed the Korea Securities and Futures Commission's re-appeal relating to the second and first measures, respectively, and confirmed the decision to suspend the execution of these measures.

Although the future outcome of the administrative litigation cannot be estimated, should Samsung Biologics Co., Ltd. be required to restate its financial statements to amend its historical accounting treatment relating to its investment in Samsung Bioepis Co., Ltd., the Company's share of profit or loss relating to its equity method investment, the amount of investment in associates, and retained earnings, for the years ended December 31, 2015 to December 31, 2022, and the profit on disposal of investment for the year ended December 31, 2016, may be impacted. Given the timing of completion and the final result of the administrative litigation between Samsung Biologics Co., Ltd. and the Korea Securities and Futures Commission is uncertain and cannot currently be estimated, it is not possible for the Company to recognize the effects of these proceedings in the interim consolidated financial statements of the current period.

## 7. Property, Plant and Equipment

(A) Changes in property, plant and equipment for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Balance as of January 1	205,945,209	187,256,262
External acquisition and capital expenditures	12,325,806	11,773,595
Acquisition from business combination	20,727	-
Depreciation	(10,730,215)	(9,231,310)
Disposals/scrapped/impairment	(235,629)	(130,748)
Other <sup>(*)</sup>	59,870	1,487,761
<b>Balance as of March 31</b>	<b>207,385,768</b>	<b>191,155,560</b>

(\*) Other includes effects of changes in foreign currency exchange rates.

(B) Details of depreciation of property, plant and equipment for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Cost of sales	9,423,481	8,197,276
Selling and administrative expenses, and other	1,306,734	1,034,034
<b>Total</b>	<b>10,730,215</b>	<b>9,231,310</b>

(C) Right-of-use assets as of March 31, 2025 amount to ₩5,493,539 million (December 31, 2024: ₩5,660,885 million). During the three-month periods ended March 31, 2025 and 2024, newly recognized right-of-use assets amount to ₩327,506 million and ₩464,894 million, respectively, with relevant depreciation of ₩314,199 million and ₩292,806 million, respectively.

## 8. Intangible Assets

(A) Changes in intangible assets for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Balance as of January 1	23,738,566	22,741,862
External acquisitions	1,297,818	844,734
Acquisition from business combination	2,263,546	-
Amortization	(788,575)	(719,482)
Disposals/scrap/impairment	(6,572)	(9,522)
Other <sup>(*)</sup>	190,303	389,011
<b>Balance as of March 31</b>	<b>26,695,086</b>	<b>23,246,603</b>

<sup>(\*)</sup> Other includes the cumulative effect of changes in foreign currency exchange rates and business combinations.

(B) Details of amortization of intangible assets for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Cost of sales	539,485	484,976
Selling and administrative expenses and other	249,090	234,506
<b>Total</b>	<b>788,575</b>	<b>719,482</b>

## 9. Borrowings

Details of the carrying amounts of borrowings as of March 31, 2025 and December 31, 2024 are as follows:

		Interest rates (%) as of		December 31,
(In millions of Korean won)	Financial institutions	March 31, 2025	March 31, 2025	2024
Short-term borrowings				
Collateralized borrowings <sup>(*)</sup>	Woori Bank and others	0.7~14.2	5,027,298	12,834,446
Non-collateralized borrowings	Citibank and others	0.0~47.7	306,561	338,058
Total			5,333,859	13,172,504
Current portion of long-term borrowings				
Bank borrowings	BNP and others	3.5~52.9	356,063	510,756
Lease liabilities <sup>(*)</sup>	CSSD and others	5.0	1,085,773	1,100,526
Total			1,441,836	1,611,282
Long-term borrowings				
Bank borrowings	BNP and others	0.0~7.4	6,240	6,537
Lease liabilities <sup>(*)</sup>	CSSD and others	5.0	3,753,339	3,929,323
Total			3,759,579	3,935,860

<sup>(\*)</sup> Collateralized borrowings are secured by trade receivables.

<sup>(\*)</sup> Interest expenses arising from the lease liabilities for the three-month periods ended March 31, 2025 and 2024 amount to ₩61,077 million and ₩53,023 million, respectively, which are determined using the weighted average incremental borrowing rate.

## 10. Debentures

Details of the carrying amounts of debentures as of March 31, 2025 and December 31, 2024 are as follows:

(In millions of Korean won)	Issue date	Due date	Interest rate (%) as of		December 31, 2024
			March 31, 2025	March 31, 2025	
US dollar denominated straight bonds <sup>(*)</sup>	1997.10.2	2027.10.1	7.7	21,998 (US \$15 million)	22,050 (US \$15 million)
US dollar denominated debentures <sup>(*)</sup>	2015.5.11	2025.5.15	4.2	586,600 (US \$400 million)	588,000 (US \$400 million)
Less: Discounts				(220)	(255)
Add: Premium				296	743
Less: Current portion				(594,156)	(596,008)
<b>Total</b>				14,518	14,530

<sup>(\*)</sup> US dollar denominated straight bonds are repaid annually for twenty years after a ten-year grace period from the date of issuance. Interest is paid semi-annually in arrears.

<sup>(\*)</sup> Harman International Industries, Inc. issued US dollar denominated debentures. These debentures are repaid on the maturity and interest is paid semi-annually in arrears.

## 11. Net Defined Benefit Liabilities (Assets)

- (A) Details of net defined benefit liabilities (assets) recognized in the statement of financial position as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Present value of funded defined benefit obligations	17,248,585	16,965,629
Present value of unfunded defined benefit obligations	342,995	379,155
Subtotal	17,591,580	17,344,784
Fair value of plan assets	(19,805,460)	(19,912,945)
<b>Total</b>	<b>(2,213,880)</b>	<b>(2,568,161)</b>

- (B) The components of defined benefit costs recognized in profit or loss for the three-month periods ended March 31, 2025 and 2024 relating to defined benefit plans are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Current service cost	384,254	354,156
Net interest income	(33,032)	(64,618)
Past service cost	(97)	(163)
Other	9,178	4,534
<b>Total</b>	<b>360,303</b>	<b>293,909</b>

- (C) The expenses related to defined benefit plans recognized in the statement of profit or loss for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Cost of sales	146,587	117,751
Selling and administrative expenses and other	213,716	176,158
<b>Total</b>	<b>360,303</b>	<b>293,909</b>

## 12. Provisions

Changes in the provisions for the three-month period ended March 31, 2025 are as follows:

<i>(In millions of Korean won)</i>	<b>Warranty (A)</b>	<b>Royalty expenses (B)</b>	<b>Long-term incentives (C)</b>	<b>Other (D, E)</b>	<b>Total</b>
Balance as of January 1	2,734,501	2,793,901	813,011	4,995,100	11,336,513
Charged to profit or loss	396,865	207,314	86,369	96,088	786,636
Payment	(468,532)	(181,153)	(68,766)	(152,083)	(870,534)
Other <sup>(*)</sup>	41,856	(17,606)	577	(2,014)	22,813
<b>Balance as of March 31</b>	<b>2,704,690</b>	<b>2,802,456</b>	<b>831,191</b>	<b>4,937,091</b>	<b>11,275,428</b>

<sup>(\*)</sup> Other includes effects of changes in foreign currency exchange rates.

- (A) The Company accrues warranty provisions for estimated costs of quality assurance, exchanges, repairs, recalls, and future services based on historical experience and terms of warranty programs.
- (B) The Company recognizes provisions for the estimated royalty expenses that are under negotiation with counterparties. The timing and amount of payment depend on the settlement of the negotiations.
- (C) The Company has a long-term incentive plan for its executives based on a three-year management performance criteria and recognizes a provision for the estimated incentive cost.
- (D) The Company records provisions for future expenses expected to be incurred for products that have been discontinued from manufacturing and sales.
- (E) The Company makes provisions for the emission in excess of the emission rights held by the Company for the applicable years. Details of emission rights and liabilities as of March 31, 2025 are as follows:
  - (1) The amount of emission rights allocated free of charge in the current commitment period and the estimated amount of emission as of March 31, 2025 are as follows:

<i>(In ten thousand metric tons)</i>	<b>March 31, 2025</b>
Emission rights allocated free of charge	1,629
Estimated volume of emission	1,966

- (2) Changes in the emission rights for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Balance as of January 1	3,137	3,137
Increase (decrease)	-	-
<b>Balance as of March 31</b>	<b>3,137</b>	<b>3,137</b>

- (3) Changes in emissions liabilities for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Balance as of January 1	174	137
Charged to profit or loss	43	35
Utilization	-	-
<b>Balance as of March 31</b>	<b>217</b>	<b>172</b>



### 13. Commitments and Contingencies

#### (A) Litigation

As of March 31, 2025, the Company is involved in various claims, disputes, and investigations conducted by regulatory bodies that arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, the Company believes the outcome will not have a material impact on the financial position of the Company.

#### (B) Other commitments

As of March 31, 2025, contractual commitments for the acquisition of property, plant and equipment and intangible assets amount to ₩12,408,427 million.

### 14. Contract Liabilities

The Company has recognized contract liabilities related to contracts with customers as follows:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Contract liabilities <sup>(*)</sup>	14,413,443	13,523,368

<sup>(\*)</sup>Contract liabilities include advances received, accrued expenses, other current liabilities and others.

### 15. Share Capital

As of March 31, 2025, the Company's total number of authorized shares is 25,000,000,000 shares (₩100 per share). As well as its ordinary shares, the Company also has non-cumulative preference shares that are eligible for an additional 1% cash dividend over par value per annum compared to ordinary shares, but without voting rights. The Company has issued 5,919,637,922 shares of ordinary shares and 815,974,664 shares of preference shares as of March 31, 2025, excluding the number of retired shares. The number of shares outstanding is different from the aforementioned number of shares issued due to purchase of treasury shares. Due to the retirement of shares, the total par value of the shares issued which excludes the number of retired shares is ₩673,561 million (ordinary shares of ₩591,964 million and preference shares of ₩81,597 million), which does not agree with paid-in capital of ₩897,514 million.

<i>(Number of shares)</i>	<b>Ordinary shares outstanding</b>	<b>Preference shares outstanding</b>
<b>As of January 1, 2024</b>	5,969,782,550	822,886,700
Treasury shares purchased	(29,700,000)	(4,050,000)
<b>As of December 31, 2024</b>	5,940,082,550	818,836,700
<b>As of January 1, 2025</b>	5,940,082,550	818,836,700
Treasury shares purchased	(47,444,628)	(6,587,036)
<b>As of March 31, 2025</b>	5,892,637,922	812,249,664

The Company retired 50,144,628 ordinary shares and 6,912,036 preference shares during the three-month period ended March 31, 2025, with a total acquisition cost of ₩3,049,040 million, pursuant to the board of directors' resolution on February 18, 2025.

## 16. Retained Earnings

(A) Retained earnings as of March 31, 2025 and December 31, 2024 consist of the following:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Discretionary reserve and other	238,196,358	224,424,501
Unappropriated retained earnings	134,865,813	146,088,687
<b>Total</b>	<b>373,062,171</b>	<b>370,513,188</b>

(B) Details of interim dividends are as follows:

<i>(In millions of Korean won and number of shares)</i>		2025	2024	
1 <sup>st</sup> Quarter	Number of shares eligible for dividends	Ordinary shares	5,892,637,922	5,969,782,550
		Preference shares	812,249,664	822,886,700
	Dividend rate (based on par value)	Ordinary/Preference	365%	361%
	Dividend amount	Ordinary shares	2,150,813	2,155,092
		Preference shares	296,471	297,062
		Total	2,447,284	2,452,154

## 17. Other Components of Equity

(A) Other components of equity as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Gain on valuation of financial assets at fair value through other comprehensive income	2,095,729	2,155,315
Share of other comprehensive income of associates and joint ventures	480,817	424,575
Gain on overseas business translation	19,912,774	18,614,960
Remeasurement of net defined benefit liabilities (assets)	(3,628,717)	(3,596,943)
Treasury shares	(1,718,586)	(1,811,775)
Share-based compensation	271,326	-
Other	84,173	86,876
<b>Total</b>	<b>17,497,516</b>	<b>15,873,008</b>

(B) Treasury shares as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won and number of shares)</i>		<b>2025</b>	<b>2024</b>
Number of treasury shares purchased	Ordinary shares	27,000,000	29,700,000
	Preference shares	3,725,000	4,050,000
Acquisition cost	Ordinary shares	1,541,799	1,625,252
	Preference shares	176,787	186,523

(C) Equity-settled performance incentive

The Company agreed to grant restricted stock awards (RSA) to executives as part of their performance incentives, which will be settled in January 2026. Accordingly, ₩63,912 million of performance incentives (1,176,383 ordinary shares), which is set to be equity-settled, was reclassified from accrued expense to other components of equity.

(D) Share-based compensation for employees and executives

The Company agreed to grant 30 ordinary shares to each of all employees and executives who were in service as of March 5, 2025, as agreed through labor-management negotiations. Accordingly, the Company recognized the fair value of 3,841,035 ordinary shares to be granted, amounting to ₩207,414 million as of the grant date, as wages and salaries account and other components of equity. The shares will be granted during the year ended December 31, 2025.

## 18. Expenses by Nature

Expenses by nature for the three-month periods ended March 31, 2025 and 2024 consist of the following:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Changes in finished goods, work in process, and other	(1,130,821)	(399,265)
Raw materials used, merchandise purchased, and other	28,353,466	24,298,463
Wages and salaries	8,906,310	8,075,000
Post-employment benefit	422,769	347,810
Depreciation	10,730,215	9,231,310
Amortization	788,575	719,482
Welfare	1,838,492	1,724,478
Utilities	2,228,202	2,023,182
Outsourcing	2,114,605	1,770,506
Advertising	1,542,416	1,434,926
Sales promotion	2,143,596	1,837,394
Other	14,517,406	14,246,306
<b>Total<sup>(*)</sup></b>	<b>72,455,231</b>	<b>65,309,592</b>

<sup>(\*)</sup> Equal to the sum of cost of sales and selling and administrative expenses in the consolidated statement of profit or loss.

## 19. Selling and Administrative Expenses

Selling and administrative expenses for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025	2024
<b>Selling and administrative expenses</b>		
Wages and salaries	2,253,204	2,179,210
Post-employment benefit	102,207	77,591
Commissions	2,406,926	2,083,504
Depreciation	435,267	412,997
Amortization	185,280	175,047
Advertising	1,542,416	1,434,926
Sales promotion	2,143,596	1,837,394
Transportation	640,743	714,535
Service	998,393	1,241,559
Other	1,704,527	1,446,457
Subtotal	12,412,559	11,603,220
<b>Research and development expenses</b>		
Research and development	9,032,741	7,820,040
<b>Total</b>	<b>21,445,300</b>	<b>19,423,260</b>

## 20. Other Non-Operating Income and Expenses

Details of other non-operating income and expenses for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025	2024
<b>Other non-operating income</b>		
Dividend income	35,117	39,457
Rental income	38,178	38,914
Gain on disposal of property, plant and equipment	6,819	9,335
Other	1,026,191	357,575
<b>Total</b>	<b>1,106,305</b>	<b>445,281</b>

<i>(In millions of Korean won)</i>	2025	2024
<b>Other non-operating expenses</b>		
Loss on disposal of property, plant and equipment	10,748	26,048
Donations	43,970	77,476
Other	186,695	277,869
<b>Total</b>	<b>241,413</b>	<b>381,393</b>

## 21. Financial Income and Expenses

Details of financial income and expenses for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025	2024
<b>Financial income</b>		
Interest income	1,239,349	1,172,185
Financial assets measured at amortized cost	1,239,294	1,172,152
Financial assets measured at fair value through profit or loss	55	33
Foreign exchange differences	1,900,438	2,120,929
Gain from derivatives	831,097	191,390
<b>Total</b>	<b>3,970,884</b>	<b>3,484,504</b>

<i>(In millions of Korean won)</i>	2025	2024
<b>Financial expenses</b>		
Interest expenses	176,087	242,772
Financial liabilities measured at amortized cost	23,889	66,927
Other financial liabilities	152,198	175,845
Foreign exchange differences	2,033,440	2,240,061
Losses from derivatives	278,798	179,678
<b>Total</b>	<b>2,488,325</b>	<b>2,662,511</b>

The Company recognizes foreign exchange gains and losses arising from foreign currency transactions and translation as financial income and expenses.

## 22. Income Tax Expense

Income tax expense is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The average annual tax rate expected as of March 31, 2025 to be effective for the year ended December 31, 2025 is 10.1%.

## 23. Earnings per Share

Earnings per share for the three-month periods ended March 31, 2025 and 2024 are calculated as follows:

(A) Ordinary shares

(1) Basic earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period attributable to owners of the parent company	8,028,407	6,621,030
Profit for the period attributable to ordinary shares	7,056,091	5,818,936
Weighted-average number of ordinary shares outstanding	5,920,293	5,969,783
<b>Basic earnings per ordinary share (in Korean won)</b>	<b>1,192</b>	<b>975</b>

(2) Diluted earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period attributable to owners of the parent company	8,028,407	6,621,030
Profit for the period attributable to ordinary shares	7,056,228	5,818,936
Weighted-average number of diluted ordinary shares outstanding(*)	5,921,138	5,969,783
<b>Basic earnings per ordinary share (in Korean won)</b>	<b>1,192</b>	<b>975</b>

(\*) The weighted average diluted potential common shares included are related to stock-based compensation and the number of shares is 845,000 shares and nil for the three-month periods ended March 31, 2025 and 2024 respectively.

(B) Preference shares

(1) Basic earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period attributable to owners of the parent company	8,028,407	6,621,030
Profit for the period available for preference shares	972,316	802,094
Weighted-average number of preference shares outstanding	815,926	822,887
<b>Basic earnings per preference share (in Korean won)</b>	<b>1,192</b>	<b>975</b>

(2) Diluted earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period attributable to owners of the parent company	8,028,407	6,621,030
Profit for the period attributable to preference shares	972,179	802,094
Weighted-average number of diluted preference shares outstanding	815,926	822,887
<b>Basic earnings per preference share (in Korean won)</b>	<b>1,192</b>	<b>975</b>

## 24. Statements of Cash Flows

The Company used the indirect method to present cash flows from operating activities. Adjustments and changes in assets and liabilities arising from operating activities for the three-month periods ended March 31, 2025 and 2024 are as follows:

### - Adjustments

<i>(In millions of Korean won)</i>	2025	2024
Adjustments:		
Income tax expense	928,698	952,015
Financial income	(2,808,437)	(2,077,714)
Financial expenses	1,620,482	1,520,022
Post-employment benefits	422,769	347,810
Depreciation	10,730,215	9,231,310
Amortization	788,575	719,482
Bad debt expense (reversal)	38,333	(31,709)
Dividend income	(35,117)	(39,457)
Share of profit of associates and joint ventures	(118,853)	(214,833)
Gain on disposal of property, plant and equipment	(6,819)	(9,335)
Loss on disposal of property, plant and equipment	10,748	26,048
Loss (gain) on valuation of inventories	870,898	(1,648,575)
Others	(483,808)	(28,045)
<b>Total</b>	<b>11,957,684</b>	<b>8,747,019</b>

### - Changes in assets and liabilities arising from operating activities

<i>(In millions of Korean won)</i>	2025	2024
Changes in assets and liabilities :		
Decrease (increase) in trade receivables	536,031	(3,609,636)
Decrease (increase) in other receivables	929,088	(223,276)
Decrease in prepaid expenses	28,519	36,117
Decrease (increase) in inventories	(2,101,170)	627,518
Increase in trade payables	808,190	446,091
Increase (decrease) in other payables	(1,244,493)	479,925
Increase (decrease) in advances received	(103,338)	171,189
Increase in withholdings	62,649	13,584
Decrease in accrued expenses	(1,572,697)	(1,229,733)
Increase in provisions	(83,898)	1,149,499
Payment of post-employment benefits	(407,198)	(289,829)
Others	(491,457)	(966,738)
<b>Total</b>	<b>(3,639,774)</b>	<b>(3,395,289)</b>

For the three-month periods ended March 31, 2025 and 2024, cash outflows from principal portion of lease liabilities (financial activities) amount to ₩328,831 million and ₩286,357 million, respectively, and cash outflows due to interest expenses (operating activities) in relation to the lease liabilities amount to ₩61,077 million and ₩53,023 million, respectively.



## 25. Financial Risk Management

The Company manages its financial risks with a focus on minimizing market risk, credit risk, and liquidity risk arising from its operating activities. To this end, the Company closely monitors and responds to each risk factor.

The Company establishes global financial management standards, periodically measures customer's and counterparty's financial risk, and manages the risk with currency hedges and review of cash flows.

The Company also manages foreign exchange risk by monitoring foreign exchange rate fluctuations through local financial centers in the major regions (United States, United Kingdom, Singapore, China, Brazil, and Russia), which act as an agent for the subsidiaries in each region to manage foreign exchange transactions. In addition, local finance centers in the major regions respond to liquidity risk through a regionally integrated financial structure.

The Company's financial assets subject to financial risk management consist of cash and cash equivalents, short-term financial instruments, financial assets at amortized cost, trade receivables and others, while its financial liabilities consist of trade payables, borrowings, and others.

### (A) Market risk

#### (1) Foreign exchange risk

The Company is exposed to foreign exchange risk arising from its global operations through transactions in currencies other than its functional currency. The main currencies in which the Company is exposed to foreign exchange risk are the US dollar and European Euro.

The Company focuses on minimizing the impact of foreign exchange fluctuation by matching levels of assets and liabilities denominated in each foreign currency. To minimize exchange position, the Company's foreign exchange management policy requires normal business transactions, including import and export, as well as financing transactions, such as depositing and borrowing, to be in local currency or match as closely as possible cash inflows and outflows incurred in the respective foreign currencies. This reduces but may not eliminate the foreign exchange risk to which the Company is exposed. Moreover, the Company periodically evaluates and monitors the foreign exchange risk to efficiently mitigate such risk, and the speculative foreign exchange transactions are strictly prohibited.

#### (2) Interest rate risk

Interest rate risk for floating interest rate financial instruments can be defined as the risk of changes in the fair value of components of the statement of financial position due to changes in the market interest rates, and the risk of changes in the future cash flows of interest income and expenses arising from investing and financing activities. The Company's exposure to interest rate risk arises primarily from interest-bearing deposits and floating interest rate debt obligations, and the Company manages its exposure to interest rate risk to minimize uncertainty and cost of financing resulting from changes in interest rates.

### (3) Price risk

The Company's investment portfolio consists of direct and indirect investments in equity instruments classified as financial assets at fair value through other comprehensive income and financial assets at fair value through profit or loss, which is in line with the Company's strategy.

As of March 31, 2025 and 2024, price fluctuation of marketable equity securities (listed stocks) by 1% would result in changes in other comprehensive income (before income tax) of ₩75,229 million and ₩58,830 million, respectively, and changes in profit before tax of ₩1,111 million and ₩2,333 million, respectively.

### (B) Credit risk

Credit risk arises during the normal course of transactions and investing activities where customers or other parties fail to discharge an obligation. The Company monitors and sets the customer's and counterparty's credit limit on a periodic basis based on their financial conditions, default history and other factors. Adequate insurance coverage is maintained for trade receivables related to trading partners situated in high risk countries.

Credit risk also can arise from transactions with financial institutions including transactions in financial instruments such as cash and cash equivalents, deposits, and derivative instruments. To minimize such risk, the Company transacts only with banks that have a strong international credit rating (S&P A and above), and new transactions with financial institutions which the Company does not have an existing relationship are subject to the completion of risk assessments prior to commencement of transactions. The Company generally enters into financial agreements without restrictions, such as debt ratio covenants, provision of collateral and/or repayment of loans/borrowings, and otherwise separate approvals are obtained.

The carrying amount of the Company's financial assets is net of impairment losses and the Company's maximum exposure to credit risk is equal to the carrying amount of its financial assets.

### (C) Liquidity risk

Liquidity risk is the risk that a company will have difficulty in meeting all its financial obligations. The Company's main sources of liquidity are cash generated from operations and funds raised from the capital markets and financial institutions, while its main liquidity needs are for investments in production, research and development, working capital and dividends. Due to the nature of the Company's business, which involves large investments, maintaining adequate levels of liquidity is critical. The Company maintains and manages adequate liquidity through forecasting periodic cash flows, estimating required cash levels, and monitoring inflows and outflows of cash.

The Company has established Cash Pooling by region to respond effectively to liquidity risks, even when individual companies within a region are underfunded. Cash Pooling is a system that shares funds between underfunded and overfunded companies, minimizing the liquidity risk of individual companies, easing the burden of fund management, and reducing financial costs.

In addition, the Company has secured credit lines for its overseas subsidiaries by means of payment guarantees from the head office in the event of large liquidity needs, and, at the end of the period, the Company had investment grade ratings of Aa2 from Moody's and AA- from S&P, enabling it to raise funds on the capital market in a timely manner.

(D) Capital risk management

The purpose of capital management is to maintain a sound capital structure and protect the Company's ability to continue to provide benefits to its shareholders and stakeholders as a going concern. The Company monitors capital on the basis of credit ratings and debt ratio.

The debt ratios as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2025	December 31, 2024
Total liabilities	109,762,479	112,339,878
Total equity	406,614,269	402,192,070
<b>Debt ratio</b>	27.0%	27.9%

(E) Fair value measurement

- (1) Carrying amounts and fair values of financial instruments by category as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2025		December 31, 2024	
	Carrying amount	Fair value	Carrying amount	Fair value
<b>Financial assets</b>				
Cash and cash equivalents	53,161,004	(*)	53,705,579	(*)
Short-term financial instruments	51,943,037	(*)	58,909,334	(*)
Short-term financial assets at fair value through profit or loss	29,521	29,521	36,877	36,877
Trade receivables	44,866,585	(*)	43,623,073	(*)
Financial assets at fair value through other comprehensive income	10,288,577	10,288,577	10,580,932	10,580,932
Financial assets at fair value through profit or loss	1,230,070	1,230,070	1,175,749	1,175,749
Other <sup>(*)</sup>	15,699,434	131,604	14,898,880	520,656
<b>Total financial assets</b>	177,218,228		182,930,424	
<b>Financial liabilities</b>				
Trade payables	14,496,195	(*)	12,370,177	(*)
Short-term borrowings	5,333,859	(*)	13,172,504	(*)
Other payables	19,337,259	(*)	17,390,861	(*)
Current portion of long-term liabilities	2,035,992	593,859	2,207,290	594,010
- Long-term borrowings	1,441,836	(*)(*)	1,611,282	(*)(*)
- Debentures	594,156	593,859	596,008	594,010
Debentures	14,518	16,566	14,530	16,427
Long-term borrowings	3,759,579	(*)(*)	3,935,860	(*)(*)
Long-term other payables	4,881,844	(*)	4,779,141	(*)
Other <sup>(*)</sup>	13,926,525	89,603	13,793,044	94,559
<b>Total financial liabilities</b>	63,785,771		67,663,407	

(\*) Assets and liabilities whose carrying amount is a reasonable approximation of fair value are excluded from the fair value disclosures.

(\*) Carrying amount of financial assets amounting to ₩15,567,830 million as of March 31, 2025 (December 31, 2024: ₩14,378,224 million) and liabilities measured at cost of ₩13,836,922 million as of March 31, 2025 (December 31, 2024: ₩13,698,485 million) are excluded as the carrying amount is a reasonable estimation of fair value.

(\*) Lease liabilities, classified under the current portion of long-term liabilities and long-term borrowings, are excluded from the fair value disclosures in accordance with *Korean IFRS 1107*.

- (2) Fair value hierarchy classifications of the financial instruments that are measured or disclosed at fair value as of March 31, 2025 and December 31, 2024 are as follows:

March 31, 2025				
(In millions of Korean won)	Level 1	Level 2	Level 3	Total balance
<b>1) Assets</b>				
Short-term financial assets at fair value through profit or loss	-	29,521	-	29,521
Financial assets at fair value through other comprehensive income	7,522,899	-	2,765,678	10,288,577
Financial assets at fair value through profit or loss	111,076	-	1,118,994	1,230,070
Other	-	85,683	45,921	131,604
<b>2) Liabilities</b>				
Current portion of debentures	-	593,859	-	593,859
Debentures	-	16,566	-	16,566
Other	-	89,603	-	89,603

December 31, 2024				
(In millions of Korean won)	Level 1	Level 2	Level 3	Total balance
<b>1) Assets</b>				
Short-term financial assets at fair value through profit or loss	-	36,877	-	36,877
Financial assets at fair value through other comprehensive income	7,686,545	-	2,894,387	10,580,932
Financial assets at fair value through profit or loss	86,187	-	1,089,562	1,175,749
Other	-	98,159	422,497	520,656
<b>2) Liabilities</b>				
Current portion of debentures	-	594,010	-	594,010
Debentures	-	16,427	-	16,427
Other	-	94,559	-	94,559

The levels of the fair value hierarchy and its application to financial assets and liabilities are described below.

- Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities
- Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly
- Level 3: Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs)

The fair value of financial instruments traded in active markets is based on quoted market prices at the reporting date. A market is regarded as active if quoted prices are readily and regularly available from an exchange, dealer, broker, industry group, pricing service, or regulatory agency, and those prices represent actual and regularly occurring market transactions on an arm's length basis. These instruments are included in Level 1. The instruments included in Level 1 are listed equity investments, most of which are classified as financial assets at fair value through other comprehensive income.

The fair value of financial instruments that are not traded in an active market is determined by using valuation techniques. These valuation techniques maximize the use of observable market data where available and rely as little as possible on entity-specific estimates. If all significant inputs required to measure the fair value of an instrument are observable, the instrument is included in Level 2.

If one or more of the significant inputs are not based on observable market data, the instrument is included in Level 3.

The Company performs the fair value measurements required for financial reporting purposes, including Level 3 fair values, and discusses valuation processes and results in line with the financial reporting timelines. The Company's policy is to recognize transfers between levels at the end of the reporting period if corresponding events or changes in circumstances have occurred.

Specific valuation techniques used to value financial instruments include:

- Quoted market prices or dealer quotes for similar instruments
- The fair value of forward foreign exchange contracts determined using forward exchange rates at the reporting date, with the resulting value discounted to present value

Other techniques, such as discounted cash flow analysis, binomial model, etcetera, are used to determine fair value for the remaining financial instruments. For trade and other receivables that are classified as current assets, the book value approximates a reasonable estimate of fair value.

### (3) Valuation technique and the inputs

The Company utilizes a present value technique to discount future cash flows using proper interest rates for corporate bonds, government and public bonds, and bank debentures that are classified as Level 2 in the fair value hierarchy.

The following table presents the valuation technique and the inputs used for major financial instruments classified as Level 3 as of March 31, 2025.

*(In millions of Korean won and percentage)*

Classification	Fair value	Valuation technique	Level 3 inputs	Input range
Financial assets at fair value through other comprehensive income				
Samsung Venture Investment	36,299	Discounted cash flow	Permanent growth rate	1.0%
			Weighted average cost of capital	15.4%
MiCo Ceramics Co., Ltd.	57,088	Discounted cash flow	Permanent growth rate	0.0%
			Weighted average cost of capital	11.2%
TCL China Star Optoelectronics Technology Co., Ltd. (CSOT)	1,404,219	Discounted cash flow	Permanent growth rate	0.0%
			Weighted average cost of capital	9.3%
China Star Optoelectronics Semiconductor Display Technology Ltd. (CSOSDT)	291,612	Discounted cash flow	Permanent growth rate	0.0%
			Weighted average cost of capital	9.3%
Others				
Put option on equity instruments	45,921	Binomial model	Risk-free rate	3.8%~4.1%, 5.0%
			Price volatility	29.7%, 34.1%

(4) Changes in Level 3 instruments for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025	2024
<b>Financial assets</b>		
Balance as of January 1	4,406,446	3,730,134
Acquisitions	22,264	29,994
Disposals	(13,200)	(6,092)
Amount recognized in profit for the period	607,370	48,572
Amount recognized in other comprehensive income	(133,702)	16,585
Other	(958,585)	108,619
Balance as of March 31	3,930,593	3,927,812

(5) Sensitivity analysis for recurring fair value measurements categorized within Level 3

Sensitivity analysis of financial instruments is performed to measure favorable and unfavorable changes in the fair value of financial instruments which are affected by the unobservable parameters, using a statistical technique. When the fair value is affected by more than two input parameters, the amounts represent the most favorable or unfavorable.

The results of the sensitivity analysis for effect on income or loss before tax from changes in inputs for major financial instruments which are categorized within Level 3 and subject to sensitivity analysis are as follows:

<i>(In millions of Korean won)</i>	Favorable changes		Unfavorable changes	
	Profit or loss	Equity	Profit or loss	Equity
Financial assets at fair value through other comprehensive income <sup>(*)</sup>	-	175,478	-	(114,331)
Others <sup>(*)</sup>	6,307	-	(6,900)	-

<sup>(\*)</sup>For equity securities, changes in fair value are calculated by increasing or the growth rate (-1%~1%) and the discount rate, which are significant unobservable inputs.

<sup>(\*)</sup>Changes in fair value were calculated based on changes in price volatility (-5%~5%), which is a significant unobservable input.

## 26. Segment Information

### (A) Operating segment information

The chief operating decision-maker has been identified as the Management Committee. The Company determines operating segments based on the segment information reported to the Management Committee. The Management Committee reviews the operating profits of each operating segment in order to evaluate the performance and to make strategic decisions regarding the allocation of resources to each segment.

Revenue consists mostly of product sales. The operating segments are product-based and are identified based on the internal organization and revenue streams. As of the reporting date, the operating segments are comprised of DX, DS, SDC, Harman, and others.

The segment information including depreciation, amortization and operating profits is prepared after adjusting intercompany transactions. Total assets and liabilities of each operating segment are excluded from the disclosure as these have not been provided regularly to the Management Committee.

#### (1) For the three-month period ended March 31, 2025

<i>(In millions of Korean won)</i>	<b>DX</b>	<b>DS</b>	<b>SDC</b>	<b>Harman</b>	<b>Intercompany reconciliations</b>	<b>Total<sup>(*)</sup></b>
Revenue	51,717,211	25,131,006	5,866,922	3,419,373	(6,994,009)	79,140,503
Depreciation	660,081	9,319,918	611,061	86,667	-	10,730,215
Amortization	417,157	203,173	57,992	52,588	-	788,575
Operating profit	4,721,900	1,105,503	462,227	306,858	-	6,685,272

<sup>(\*)</sup> Other operating segments are not separately disclosed.

Net revenue by major product for the three-month period ended March 31, 2025 are as follows:

<i>(In millions of Korean won)</i>	<b>TV, monitor, and other</b>	<b>Smartphone and other</b>	<b>Memory</b>	<b>Display panels</b>	<b>Total<sup>(*)</sup></b>
Revenue	7,756,345	36,187,621	19,069,038	5,866,922	79,140,503

<sup>(\*)</sup> Other operating segments are not separately disclosed.

(2) For the three-month period ended March 31, 2024

<i>(In millions of Korean won)</i>	<b>DX</b>	<b>DS</b>	<b>SDC</b>	<b>Harman</b>	<b>Intercompany reconciliations</b>	<b>Total<sup>(*)</sup></b>
Revenue	47,292,742	23,137,290	5,386,418	3,200,250	(7,101,099)	71,915,601
Depreciation	639,747	7,849,063	607,414	85,397	-	9,231,310
Amortization	402,536	152,446	56,385	53,252	-	719,482
Operating profit	4,074,891	1,914,015	340,684	240,839	-	6,606,009

(\*) Other operating segments are not separately disclosed.

Net revenue by major product for the three-month period ended March 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>TV, monitor, and other</b>	<b>Smartphone and other</b>	<b>Memory</b>	<b>Display panels</b>	<b>Total<sup>(*)</sup></b>
Revenue	7,233,971	32,791,373	17,494,267	5,386,418	71,915,601

(\*) Other operating segments are not separately disclosed.

(B) Regional information

The regional information provided to the Management Committee for the reportable segments as of and for the three-month periods ended March 31, 2025 and 2024 are as follows:

(1) As of and for the period ended March 31, 2025

<i>(In millions of Korean won)</i>	<b>Korea</b>	<b>America</b>	<b>Europe</b>	<b>Asia and Africa</b>	<b>China</b>	<b>Intercompany elimination</b>	<b>Total</b>
Revenue	11,230,212	30,219,541	14,038,794	14,651,074	9,000,882	-	79,140,503
Non-current assets <sup>(*)</sup>	178,871,360	29,115,426	7,048,257	9,923,075	9,421,681	(298,945)	234,080,854

(\*) Financial instruments, deferred tax assets, and investments in associates and joint ventures are excluded from non-current assets.

(2) As of and for the period ended March 31, 2024

<i>(In millions of Korean won)</i>	<b>Korea</b>	<b>America</b>	<b>Europe</b>	<b>Asia and Africa</b>	<b>China</b>	<b>Intercompany elimination</b>	<b>Total</b>
Revenue	9,413,447	25,388,843	13,219,027	12,679,313	11,214,971	-	71,915,601
Non-current assets <sup>(*)</sup>	166,034,578	22,724,212	6,421,842	9,071,180	11,840,825	(1,690,474)	214,402,163

(\*) Financial instruments, deferred tax assets, and investments in associates and joint ventures are excluded from non-current assets.



## 27. Related Party Transactions

### (A) Transactions with related parties

Transactions with related parties for the three-month periods ended March 31, 2025 and 2024 are as follows:

(In millions of Korean won)	Name of company <sup>(*)</sup>	2025			
		Sales and other	Disposal of non-current assets	Purchases and other	Purchase of non-current assets
Associates and joint ventures	Samsung SDS Co., Ltd.	58,947	61	532,755	75,855
	Samsung Electro-Mechanics Co., Ltd.	38,231	-	313,853	-
	Samsung SDI Co., Ltd.	34,745	-	158,089	10,874
	Cheil Worldwide Inc.	36,506	-	203,587	989
	Other	357,386	124	3,262,240	28,483
	<b>Total</b>	525,815	185	4,470,524	116,201
Other related parties	Samsung C&T Co., Ltd.	2,024	-	47,280	1,079,932
	Other	176,810	-	376,612	614,858
	<b>Total</b>	178,834	-	423,892	1,694,790
Other <sup>(*)</sup>	Samsung E&A Co., Ltd.	1,012	-	1,247	588,002
	S-1 Corporation	4,922	-	129,487	9,984
	Other	62,119	-	66,353	244,313
	<b>Total</b>	68,053	-	197,087	842,299

(\*) Transactions with separate entities that are related parties of the Company.

(\*) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(In millions of Korean won)	Name of company <sup>(*)</sup>	2024			
		Sales and other	Disposal of non-current assets	Purchases and other	Purchase of non-current assets
Associates and joint ventures	Samsung SDS Co., Ltd.	63,908	-	473,033	58,026
	Samsung Electro-Mechanics Co., Ltd.	27,477	-	347,141	-
	Samsung SDI Co., Ltd.	36,837	-	179,184	8,556
	Cheil Worldwide Inc.	33,003	-	232,204	6,375
	Other	312,544	122	3,062,248	35,974
	<b>Total</b>	473,768	122	4,293,810	108,931
Other related parties	Samsung C&T Co., Ltd.	7,997	-	53,210	1,588,496
	Other	158,632	-	373,416	1,314,075
	<b>Total</b>	166,629	-	426,626	2,902,571
Other <sup>(*)</sup>	Samsung E&A Co., Ltd.	147	-	15,656	467,250
	S-1 Corporation	1,868	-	129,073	5,461
	Other	59,727	-	81,136	291,111
	<b>Total</b>	61,742	-	225,865	763,822

(\*) Transactions with separate entities that are related parties of the Company.

(\*) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(B) Balances of receivables and payables

Arising from transactions with related parties as of March 31, 2025 and December 31, 2024 are as follows:

		March 31, 2025	
(In millions of Korean won)	Name of company <sup>(*)</sup>	Receivables and other	Payables and other <sup>(*)</sup>
Associates and joint ventures	Samsung SDS Co., Ltd.	9,669	619,762
	Samsung Electro-Mechanics Co., Ltd.	3,478	154,762
	Samsung SDI Co., Ltd.	118,671	85,540
	Cheil Worldwide Inc.	191	309,894
	Other	315,172	1,228,652
	<b>Total</b>	<b>447,181</b>	<b>2,398,610</b>
Other related parties	Samsung C&T Co., Ltd.	204,455	1,333,916
	Other	25,478	814,796
	<b>Total</b>	<b>229,933</b>	<b>2,148,712</b>
Other <sup>(*)</sup>	Samsung E&A Co., Ltd.	1,100	1,685,522
	S-1 Corporation	3,698	55,377
	Other	13,609	616,753
	<b>Total</b>	<b>18,407</b>	<b>2,357,652</b>

(\*) Balances due from and to separate entities that are related parties of the Company.

(\*) Payables and others include lease liabilities.

(\*) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

		December 31, 2024	
(In millions of Korean won)	Name of company <sup>(*)</sup>	Receivables and other	Payables and other <sup>(*)</sup>
Associates and joint ventures	Samsung SDS Co., Ltd.	23,493	617,140
	Samsung Electro-Mechanics Co., Ltd.	5,704	113,971
	Samsung SDI Co., Ltd.	123,940	50,278
	Cheil Worldwide Inc.	206	436,315
	Other	311,560	1,380,625
	<b>Total</b>	<b>464,903</b>	<b>2,598,329</b>
Other related parties	Samsung C&T Co., Ltd.	205,420	1,868,959
	Other	19,784	743,167
	<b>Total</b>	<b>225,204</b>	<b>2,612,126</b>
Other <sup>(*)</sup>	Samsung E&A Co., Ltd.	513	1,919,798
	S-1 Corporation	2,660	66,988
	Other	16,848	626,382
	<b>Total</b>	<b>20,021</b>	<b>2,613,168</b>

(\*) Balances due from and to separate entities that are related parties of the Company.

(\*) Payables and others include lease liabilities.

(\*) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

- (C) For the three-month periods ended March 31, 2025 and 2024 the Company invested ₩13,965 million and ₩6,342 million, respectively, in associates and joint ventures. In addition, the Company has made capital recovery of ₩2,081 million and ₩11,731 million from its investments in associates and joint ventures during the three-month periods ended March 31, 2025 and 2024, respectively.
- (D) For the three-month periods ended March 31, 2025 and 2024, the Company declared dividends of ₩400,702 million and ₩412,172 million, respectively, to related parties. As of March 31, 2025, the dividend payable to related parties amounts to ₩400,702 million. In addition, for the three-month periods ended March 31, 2025 and 2024, the Company declared dividends of ₩32,235 million and ₩32,058 million, respectively, to the entities that are not related parties of the Company in accordance with Korean IFRS 1024, but belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act. As of March 31, 2025, there is ₩32,235 million dividends payable to the entities belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act.
- (E) For the three-month periods ended March 31, 2025 and 2024, the Company entered into lease agreements with its related parties amounting to ₩18,606 million and ₩16,048 million, respectively, and the lease payments made to the related parties were ₩9,732 million and ₩7,385 million, respectively.
- (F) Key management compensation
- The compensation paid or payable to key management (executive directors) for their services for the three-month periods ended March 31, 2025 and 2024 consists of:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Short-term employee benefits	2,550	3,017
Post-employment benefits	600	175
Other long-term employee benefits	1,799	2,289

## 28. Business Combination

### (A) General information

The Company decided to exercise call options to acquire 3.94 million shares (20.3%) of Rainbow Robotics Co., Ltd. from its largest shareholder through the board of directors' resolution on December 31, 2024. The equity acquisition procedure was completed on March 12, 2025.

The Company has reclassified Rainbow Robotics Co., Ltd. from investment in associates using equity method to consolidated subsidiary as it retains the right to appoint the entire board of directors of Rainbow Robotics Co., Ltd.

The Company will prepare for development of cutting-edge future robots by combining the Company's technology in AI and software with Rainbow Robotics Co., Ltd.'s robot technology.

### (B) Consideration transferred

Fair values of the consideration transferred by each category on the acquisition date are as follows:

<i>(In millions of Korean Won)</i>	
Cash	267,463
Derivatives (Call options of 3.94 million shares)	974,287
Previously-held equity (2.85 million shares)	900,480
<b>Total</b>	<b>2,142,230</b>

The remeasurement to fair value of the Company's previously held 2.85 million shares and the difference arising from the fair value measurement of 3.94 million call option shares as of the acquisition date, amounting to ₩847,696 million and ₩600,606 million, were recognized in the statement of profit or loss as other income and finance income, respectively.

### (C) Identifiable assets acquired and liabilities assumed

Identifiable assets acquired and liabilities assumed at the date of acquisition are as follows:

<i>(In millions of Korean Won)</i>	
Cash and cash equivalents	53,429
Short-term financial instruments	18,789
Trade receivable and other receivables	7,161
Inventory	9,342
Short-term financial assets at fair value through profit or loss	18,833
Property, plant and equipment	20,727
Intangible assets	231,164
Others	7,117
<b>Total assets</b>	<b>366,562</b>
Current liabilities	3,422
Non-current liabilities	49,289
<b>Total Liabilities</b>	<b>52,711</b>
<b>Fair value of net identifiable assets</b>	<b>313,851</b>

(D) Goodwill

Goodwill arising from the business combination has been determined as follows:

*(In millions of Korean Won)*

Total consideration transferred	2,142,230
Fair value of net identifiable assets	(313,851)
Non-controlling interests	204,003
<b>Goodwill</b>	<b>2,032,382</b>

**29. Subsequent events**

Harman International Industries, Inc., a subsidiary of SEC, entered into an agreement on May 6, 2025, to acquire the consumer audio division of Masimo Corporation. The acquisition is expected to be completed in 2025.

#### 4. Separate financial statements

### Samsung Electronics Co., Ltd. INTERIM SEPARATE STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

		March 31,	December 31,	March 31,	December 31,
	Notes	2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Assets</b>					
<b>Current assets</b>					
Cash and cash equivalents	3, 25	3,288,472	1,653,766	2,266,036	1,139,585
Short-term financial instruments	3, 25	1,414,698	10,187,991	974,847	7,020,391
Trade receivables	3, 25	34,181,288	33,840,357	23,553,809	23,318,879
Non-trade receivables	3, 25	2,147,779	3,249,731	1,480,002	2,239,341
Prepaid expenses		1,358,155	1,381,781	935,884	952,164
Inventories	5	29,610,322	29,154,115	20,404,026	20,089,660
Other current assets	3, 25	3,605,789	2,852,581	2,484,695	1,965,670
		<b>75,606,503</b>	<b>82,320,322</b>	<b>52,099,299</b>	<b>56,725,690</b>
<b>Non-current assets</b>					
Financial assets at fair value through other comprehensive income	3, 4, 25	2,502,109	2,176,346	1,724,166	1,499,687
Investments in subsidiaries, associates and joint ventures	6	58,701,899	57,427,196	40,450,592	39,572,213
Property, plant and equipment	7	152,497,152	151,446,870	105,083,484	104,359,751
Intangible assets	8	11,113,176	10,496,956	7,657,922	7,233,294
Net defined benefit assets	11	1,959,074	2,249,792	1,349,968	1,550,298
Deferred income tax assets		16,065,939	14,333,432	11,070,796	9,876,951
Other non-current assets	3, 25	4,092,145	4,515,213	2,819,835	3,111,366
		<b>246,931,494</b>	<b>242,645,805</b>	<b>170,156,763</b>	<b>167,203,560</b>
<b>Total assets</b>		<b>322,537,997</b>	<b>324,966,127</b>	<b>222,256,062</b>	<b>223,929,250</b>

The above interim separate statements of financial position should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF FINANCIAL POSITION – (Continued)**

(In millions of Korean won and in thousands of US dollars (Note 2.3))

		March 31,	December 31,	March 31,	December 31,
	Notes	2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Liabilities and Equity</b>					
<b>Current liabilities</b>					
Trade payables	3, 25	13,039,247	10,287,967	8,985,148	7,089,283
Short-term borrowings	3, 9, 25	4,067,920	11,110,972	2,803,142	7,656,403
Other payables	3, 25	18,209,684	18,591,524	12,548,018	12,811,137
Advances received	14	364,347	350,448	251,066	241,488
Withholdings	3, 25	567,870	516,454	391,311	355,881
Accrued expenses	3, 14, 25	7,981,367	9,039,886	5,499,839	6,229,249
Current income tax liabilities		2,703,278	1,380,469	1,862,788	951,260
Current portion of long-term liabilities	3, 9, 10, 25	22,266,315	22,264,226	15,343,381	15,341,942
Provisions	12	6,459,102	6,257,389	4,450,870	4,311,872
Other current liabilities	14	290,256	358,641	200,012	247,137
		<b>75,949,386</b>	<b>80,157,976</b>	<b>52,335,575</b>	<b>55,235,652</b>
<b>Non-current liabilities</b>					
Debentures	3, 10, 25	14,518	14,530	10,004	10,012
Long-term borrowings	3, 9, 25	729,334	795,703	502,573	548,307
Long-term other payables	3, 25	5,083,698	4,965,481	3,503,100	3,421,638
Long-term provisions	12	2,353,514	2,602,575	1,621,771	1,793,395
Other non-current liabilities		551,810	33,205	380,244	22,881
		<b>8,732,874</b>	<b>8,411,494</b>	<b>6,017,692</b>	<b>5,796,233</b>
<b>Total liabilities</b>		<b>84,682,260</b>	<b>88,569,470</b>	<b>58,353,267</b>	<b>61,031,885</b>

The above interim separate statements of financial position should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF FINANCIAL POSITION – (Continued)**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

		March 31,	December 31,	March 31,	December 31,
	Notes	2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Equity</b>					
Preference shares	15	119,467	119,467	82,323	82,323
Ordinary shares	15	778,047	778,047	536,140	536,140
Share premium		4,403,893	4,403,893	3,034,656	3,034,656
Retained earnings	16	234,618,166	233,734,316	161,671,834	161,062,787
Other components of equity	17	(2,063,836)	(2,639,066)	(1,422,158)	(1,818,541)
<b>Total equity</b>		<b>237,855,737</b>	<b>236,396,657</b>	<b>163,902,795</b>	<b>162,897,365</b>
<b>Total liabilities and equity</b>					
		<b>322,537,997</b>	<b>324,966,127</b>	<b>222,256,062</b>	<b>223,929,250</b>

The above interim separate statements of financial position should be read in conjunction with the accompanying notes.



**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF PROFIT OR LOSS**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Revenue</b>	26	55,534,871	51,239,617	38,268,241	35,308,446
<b>Cost of sales</b>	18	42,458,675	38,772,850	29,257,632	26,717,785
<b>Gross profit</b>		<b>13,076,196</b>	<b>12,466,767</b>	<b>9,010,609</b>	<b>8,590,661</b>
Selling and administrative expenses	18, 19	11,606,923	10,459,387	7,998,155	7,207,406
<b>Operating profit</b>	26	<b>1,469,273</b>	<b>2,007,380</b>	<b>1,012,454</b>	<b>1,383,255</b>
Other non-operating income	20	4,419,250	8,249,118	3,045,238	5,684,342
Other non-operating expense	20	48,027	271,087	33,095	186,802
Financial income	21	1,830,799	1,440,265	1,261,576	992,465
Financial expense	21	1,279,709	1,440,379	881,828	992,543
<b>Profit before income tax</b>		<b>6,391,586</b>	<b>9,985,297</b>	<b>4,404,345</b>	<b>6,880,717</b>
Income tax expense	22	4,389	247,860	3,024	170,796
<b>Profit for the period</b>		<b>6,387,197</b>	<b>9,737,437</b>	<b>4,401,321</b>	<b>6,709,921</b>
Earnings per share	23				
<i>(in Korean won, in US dollars)</i>					
- Basic		948	1,434	0.65	0.99
- Diluted		948	1,434	0.65	0.99

The above interim separate statements of profit or loss should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF COMPREHENSIVE INCOME**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Profit for the period</b>		<b>6,387,197</b>	<b>9,737,437</b>	<b>4,401,321</b>	<b>6,709,921</b>
<b>Other comprehensive income (loss)</b>					
<b>Items that will not be reclassified subsequently to profit or loss:</b>					
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax	17	239,762	143,659	165,217	98,993
Remeasurement of net defined benefit assets, net of tax	17	(29,047)	(76,440)	(20,016)	(52,674)
<b>Items that may be reclassified subsequently to profit or loss</b>		-	-	-	-
<b>Other comprehensive income for the period, net of tax</b>		<b>210,715</b>	<b>67,219</b>	<b>145,201</b>	<b>46,319</b>
<b>Total comprehensive income for the period</b>		<b>6,597,912</b>	<b>9,804,656</b>	<b>4,546,522</b>	<b>6,756,240</b>

The above interim separate statements of comprehensive income should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY**

(In millions of Korean won)

For the three-month period ended March 31, 2025	Notes	Preference shares	Ordinary shares	Share premium	Retained earnings	Other components of equity	Total
<b>Balance as of January 1, 2025</b>		119,467	778,047	4,403,893	233,734,316	(2,639,066)	236,396,657
Profit for the period		-	-	-	6,387,197	-	6,387,197
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax	17	-	-	-	-	239,762	239,762
Remeasurement of net defined benefit assets, net of tax	17	-	-	-	-	(29,047)	(29,047)
<b>Total comprehensive income for the period</b>		-	-	-	6,387,197	210,715	6,597,912
Dividends declared	16	-	-	-	(2,454,307)	-	(2,454,307)
Purchase of treasury shares	15	-	-	-	-	(2,955,851)	(2,955,851)
Retirement of treasury shares	15	-	-	-	(3,049,040)	3,049,040	-
Share-based compensation	17	-	-	-	-	271,326	271,326
<b>Total transactions with owners</b>		-	-	-	(5,503,347)	364,515	(5,138,832)
<b>Balance as of March 31, 2025</b>		119,467	778,047	4,403,893	234,618,166	(2,063,836)	237,855,737

The above interim separate statements of changes in equity should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY – (Continued)**

*(In thousands of US dollars (Note 2.3))*

For the three-month period ended March 31, 2025	Notes	Preference shares	Ordinary shares	Share premium	Retained earnings	Other components of equity	Total
<b>Balance as of January 1, 2025</b>		82,323	536,140	3,034,656	161,062,787	(1,818,541)	162,897,365
Profit for the period		-	-	-	4,401,321	-	4,401,321
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax	17	-	-	-	-	165,217	165,217
Remeasurement of net defined benefit assets, net of tax	17	-	-	-	-	(20,016)	(20,016)
<b>Total comprehensive income for the period</b>		-	-	-	4,401,321	145,201	4,546,522
Dividends declared	16	-	-	-	(1,691,227)	-	(1,691,227)
Purchase of treasury shares	15	-	-	-	-	(2,036,832)	(2,036,832)
Retirement of treasury shares	15	-	-	-	(2,101,047)	2,101,047	-
Share-based compensation	17	-	-	-	-	186,967	186,967
<b>Total transactions with owners</b>		-	-	-	(3,792,274)	251,182	(3,541,092)
<b>Balance as of March 31, 2025</b>		82,323	536,140	3,034,656	161,671,834	(1,422,158)	163,902,795

The above interim separate statements of changes in equity should be read in conjunction with the accompanying notes.

Samsung Electronics Co., Ltd.

**INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY – (Continued)**

(In millions of Korean won)

For the three-month period ended March 31, 2024	Notes	Preferenc e shares	Ordinary shares	Share premium	Retained earnings	Other compon ents of equity	Total
<b>Balance as of January 1, 2024</b>		119,467	778,047	4,403,893	219,963,351	(476,984)	224,787,774
Profit for the period		-	-	-	9,737,437	-	9,737,437
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax		-	-	-	-	143,659	143,659
Remeasurement of net defined benefit assets, net of tax		-	-	-	-	(76,440)	(76,440)
<b>Total comprehensive income for the period</b>		-	-	-	9,737,437	67,219	9,804,656
Dividends declared	16	-	-	-	(2,452,977)	-	(2,452,977)
<b>Total transactions with owners</b>		-	-	-	(2,452,977)	-	(2,452,977)
<b>Balance as of March 31, 2024</b>		119,467	778,047	4,403,893	227,247,811	(409,765)	232,139,453

The above interim separate statements of changes in equity should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY – (Continued)**

*(In thousands of US dollars (Note 2.3))*

For the three-month period ended March 31, 2024	Notes	Preference shares	Ordinary shares	Share premium	Retained earnings	Other components of equity	Total
<b>Balance as of January 1, 2024</b>		82,323	536,140	3,034,656	151,573,423	(328,682)	154,897,860
Profit for the period		-	-	-	6,709,921	-	6,709,921
Gain on valuation of financial assets at fair value through other comprehensive income, net of tax		-	-	-	-	98,993	98,993
Remeasurement of net defined benefit assets, net of tax		-	-	-	-	(52,674)	(52,674)
<b>Total comprehensive income for the period</b>		-	-	-	6,709,921	46,319	6,756,240
Dividends declared	16	-	-	-	(1,690,310)	-	(1,690,310)
<b>Total transactions with owners</b>		-	-	-	(1,690,310)	-	(1,690,310)
<b>Balance as of March 31, 2024</b>		82,323	536,140	3,034,656	156,593,034	(282,363)	159,963,790

The above interim separate statements of changes in equity should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF CASH FLOWS**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

		For the three-month periods ended March 31,			
	Notes	2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Operating activities</b>					
Profit for the period		6,387,197	9,737,437	4,401,321	6,709,921
Adjustments	24	5,945,404	(1,466,860)	4,096,888	(1,010,791)
Changes in assets and liabilities arising from operating activities	24	(1,973,975)	(1,439,384)	(1,360,236)	(991,858)
<b>Cash generated from operations</b>		<b>10,358,626</b>	<b>6,831,193</b>	<b>7,137,973</b>	<b>4,707,272</b>
Interest received		158,742	44,596	109,387	30,730
Interest paid		(123,043)	(162,952)	(84,787)	(112,288)
Dividends received		4,160,397	8,032,303	2,866,867	5,534,939
Income tax paid		(224,103)	(116,420)	(154,427)	(80,223)
<b>Net cash provided by operating activities</b>		<b>14,330,619</b>	<b>14,628,720</b>	<b>9,875,013</b>	<b>10,080,430</b>
<b>Investing activities</b>					
Net increase (decrease) in short-term financial instruments		8,775,287	(176)	6,046,918	(121)
Disposal of financial assets at fair value through other comprehensive income		-	1	-	1
Disposal of investments in subsidiaries, associates and joint ventures		96	70,048	66	48,269
Acquisition of investments in subsidiaries, associates and joint ventures		(300,511)	(3,592)	(207,078)	(2,475)
Disposal of property, plant and equipment		10,670	20,506	7,353	14,130
Acquisition of property, plant and equipment		(9,898,585)	(10,147,089)	(6,820,965)	(6,992,206)
Acquisition of intangible assets		(1,183,663)	(1,113,016)	(815,644)	(766,963)
Cash outflow from other investing activities		(1,546)	(47,862)	(1,066)	(32,981)
<b>Net cash used in investing activities</b>		<b>(2,598,252)</b>	<b>(11,221,180)</b>	<b>(1,790,416)</b>	<b>(7,732,346)</b>

The above interim separate statements of cash flows should be read in conjunction with the accompanying notes.

**Samsung Electronics Co., Ltd.**

**INTERIM SEPARATE STATEMENTS OF CASH FLOWS – (Continued)**

*(In millions of Korean won and in thousands of US dollars (Note 2.3))*

	Notes	For the three-month periods ended March 31,			
		2025	2024	2025	2024
		KRW	KRW	USD	USD
<b>Financing activities</b>					
Net increase (decrease) in short-term borrowings		(7,068,291)	2,866,252	(4,870,653)	1,975,091
Repayment of debentures and long-term borrowings		(73,188)	(52,838)	(50,433)	(36,410)
Dividends paid		(184)	(261)	(127)	(180)
Purchase of treasury shares		(2,955,851)	-	(2,036,832)	-
<b>Net cash provided by (used in) financing activities</b>		<b>(10,097,514)</b>	<b>2,813,153</b>	<b>(6,958,045)</b>	<b>1,938,501</b>
Effect of foreign exchange rate changes		(147)	165	(101)	115
<b>Net increase in cash and cash equivalents</b>		<b>1,634,706</b>	<b>6,220,858</b>	<b>1,126,451</b>	<b>4,286,700</b>
<b>Cash and cash equivalents, beginning of the period</b>		<b>1,653,766</b>	<b>6,061,451</b>	<b>1,139,585</b>	<b>4,176,854</b>
<b>Cash and cash equivalents, end of the period</b>		<b>3,288,472</b>	<b>12,282,309</b>	<b>2,266,036</b>	<b>8,463,554</b>

The above interim separate statements of cash flows should be read in conjunction with the accompanying notes.



## 5. Notes to Separate financial statements

### 1. General Information

Samsung Electronics Co., Ltd. (the “Company”) was incorporated under the laws of the Republic of Korea in 1969 and listed its shares on the Korea Stock Exchange in 1975. The Company operates two business divisions: Device eXperience (“DX”) and Device Solutions (“DS”). DX division comprises businesses for digital televisions, refrigerators, smartphones, and communication systems. DS division comprises businesses for semiconductor products such as memory, foundry and system Large Scale Integration (LSI). The Company is domiciled in the Republic of Korea and is located in Suwon, the Republic of Korea.

These financial statements have been prepared in accordance with Korean International Financial Reporting Standards (“Korean IFRS”) 1027, *Separate Financial Statements*.

### 2. Material Accounting Policies

#### 2.1 Basis of Presentation

The Company maintains its accounting records in Korean won and prepares statutory financial statements in the Korean language (Hangul) in accordance with International Financial Reporting Standards as adopted by the Republic of Korea (“Korean IFRS”). The accompanying interim separate financial statements have been condensed, restructured and translated into English from the Korean language financial statements.

The interim separate financial statements for the three-month period ended March 31, 2025 have been prepared in accordance with Korean IFRS 1034, *Interim Financial Reporting*. These interim separate financial statements have been prepared in accordance with the Korean IFRS which is effective as of March 31, 2025.

(A) New and amended standards adopted by the Company

The Company applied the following amended standards for the first time for the annual reporting period commencing January 1, 2025:

#### Amendments to Korean IFRS 1021, *The Effects of Changes in Foreign Exchange Rates*

The amendments require exchangeability of two currencies should be assessed in order to clarify reporting of foreign currency transactions in the absence of normal-functioning foreign exchange market. The amendments also require applicable spot exchange rate should be determined when the assessment indicates two currencies lack exchangeability. The adoption of the amendments does not have a significant impact on the Company’s separate financial statements.

(B) New and amended standards not yet adopted by the Company

The amended accounting standards issued that are not yet effective for the annual reporting period commencing January 1, 2025 and has not been early adopted by the Company is as follows:

Amendments to Korean IFRS 1109, *Financial Instruments* and Korean IFRS 1107, *Financial Instruments: Disclosures*

The amendments have been implemented in order to respond to questions raised in practice and include new requirements. The amendments are effective for annual reporting periods beginning on or after January 1, 2026, with early application permitted. The amendments are as follows and impact on financial statements is under review by the Company.

- Permission to regard a financial liability as extinguished via an electronic payment system prior to the actual due date of settlement, when specified criteria are met.
- Guidelines to assess whether financial assets are merely composed of principal and interest are clarified and added.
- Disclosure of impact of contract terms that modify time and amount of contractual cash flows and the extent to which company is exposed are disclosed per each category of financial instruments
- Additional disclosure of financial assets measured at fair value through other comprehensive income

## 2.2 Accounting Policies

Material accounting policies and method of computation used in the preparation of the interim separate financial statements are consistent with those of the annual separate financial statements for the year ended December 31, 2024, except for the changes due to the application of amendments of standards described in Note 2.1 and as described below.

Income tax expense for the interim period is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The estimated average annual effective income tax rate is applied to the pre-tax income of the interim period.

## 2.3 Convenience Translation into United States Dollar Amounts

The US dollar amounts provided in the financial statements represent supplementary information solely for the convenience of the reader. All Korean won amounts are expressed in US dollars at the rate of ₩ 1,451.2 to \$1, the average exchange rate for the three-month period ended March 31, 2025. Such presentation is not in accordance with generally accepted accounting principles, and should not be construed as a representation that the Korean won amounts shown could be readily converted, realized or settled in US dollars at this or at any other rate.

## 2.4 Material Accounting Estimates and Assumptions

In preparing the interim separate financial statements, the management of the Company makes judgements, estimates and assumptions on matters which affect the application of policies and reported amounts of assets, liabilities, income and expenses. Estimates and assumptions are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The resulting accounting estimates, by definition, seldom equal the related actual results.

Material accounting estimates and assumptions made in the preparation of the interim separate financial statements are consistent with those applied in the preparation of the annual separate financial statements for the year ended December 31, 2024, except for the estimates used to determine the income tax expense.

### 3. Financial Instruments by Category

Categorizations of financial assets and liabilities as of March 31, 2025 and December 31, 2024 are as follows:

(1) As of March 31, 2025

<i>(In millions of Korean won)</i>	Financial assets measured at amortized cost	Financial assets measured at fair value through other comprehensive income	Total
<b>Financial assets</b>			
Cash and cash equivalents	3,288,472	-	3,288,472
Short-term financial instruments	1,414,698	-	1,414,698
Trade receivables	34,181,288	-	34,181,288
Financial assets at fair value through other comprehensive income	-	2,502,109	2,502,109
Other	5,982,573	-	5,982,573
<b>Total</b>	<b>44,867,031</b>	<b>2,502,109</b>	<b>47,369,140</b>

<i>(In millions of Korean won)</i>	Financial liabilities measured at amortized cost	Other financial liabilities <sup>(*)</sup>	Total
<b>Financial liabilities</b>			
Trade payables	13,039,247	-	13,039,247
Short-term borrowings	-	4,067,920	4,067,920
Other payables	17,904,010	-	17,904,010
Current portion of long-term liabilities	21,997,259	269,056	22,266,315
Debentures	14,518	-	14,518
Long-term borrowings	-	729,334	729,334
Long-term other payables	4,505,019	-	4,505,019
Other	5,432,205	-	5,432,205
<b>Total</b>	<b>62,892,258</b>	<b>5,066,310</b>	<b>67,958,568</b>

<sup>(\*)</sup> Other financial liabilities include lease liabilities which are not subject to categorizations and collateralized borrowing.

(2) As of December 31, 2024

<i>(In millions of Korean won)</i>	Financial assets measured at amortized cost	Financial assets measured at fair value through other comprehensive income	Financial assets measured at fair value through profit or loss	Total
<b>Financial assets</b>				
Cash and cash equivalents	1,653,766	-	-	1,653,766
Short-term financial instruments	10,187,991	-	-	10,187,991
Trade receivables	33,840,357	-	-	33,840,357
Financial assets at fair value through other comprehensive income	-	2,176,346	-	2,176,346
Other	5,265,647	-	373,681	5,639,328
<b>Total</b>	<b>50,947,761</b>	<b>2,176,346</b>	<b>373,681</b>	<b>53,497,788</b>

<i>(In millions of Korean won)</i>	Financial liabilities measured at amortized cost	Other financial liabilities <sup>(*)</sup>	Total
<b>Financial liabilities</b>			
Trade payables	10,287,967	-	10,287,967
Short-term borrowings	-	11,110,972	11,110,972
Other payables	18,331,728	-	18,331,728
Current portion of long-term liabilities	21,997,265	266,961	22,264,226
Debentures	14,530	-	14,530
Long-term borrowings	-	795,703	795,703
Long-term other payables	4,383,749	-	4,383,749
Other	4,893,869	-	4,893,869
<b>Total</b>	<b>59,909,108</b>	<b>12,173,636</b>	<b>72,082,744</b>

(\*) Other financial liabilities include lease liabilities which are not subject to categorizations and collateralized borrowing.

#### 4. Financial Assets at Fair Value

(C) Details of financial assets at fair value as of March 31, 2025 and December 31, 2024 are as follows:

Financial assets at fair value through other comprehensive income

<i>(In millions of Korean won)</i>	March 31, 2025	December 31, 2024
Equity instruments	2,502,109	2,176,346

(D) Details of listed equity securities of financial assets at fair value as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won, number of shares and percentage)</i>	March 31, 2025			December 31, 2024	
	Number of shares owned	Percentage of ownership (%) <sup>(*)</sup>	Acquisition cost	Carrying amount (Market Value)	Carrying amount (Market Value)
Samsung Heavy Industries Co., Ltd.	134,027,281	15.2	932,158	1,806,688	1,514,508
Hotel Shilla Co., Ltd.	2,004,717	5.1	13,957	77,182	73,974
iMarket Korea Inc.	647,320	1.9	324	5,017	5,179
KT Skylife Co., Ltd.	240,000	0.5	3,344	1,082	1,134
Mona Yongpyong Co., Ltd.	400,000	0.8	1,869	1,426	1,284
A-Tech Solution Co., Ltd.	1,592,000	15.9	26,348	9,074	8,804
Wonik Holdings Co., Ltd.	1,759,171	2.3	15,410	6,658	4,486
Wonik IPS Co., Ltd.	1,850,936	3.8	16,214	44,793	41,368
Dongjin Semichem Co., Ltd.	2,467,894	4.8	48,277	71,939	51,579
Soulbrain Co., Ltd.	437,339	5.6	40,382	82,482	72,336
S&S Tech Corporation	1,716,116	8	65,933	53,800	43,933
YC Corporation	9,601,617	11.7	47,336	104,082	98,033
KCtech Co., Ltd.	1,022,216	4.9	20,720	33,324	26,629
LOTVacuum Co., Ltd.	1,267,668	7.1	18,990	11,168	10,585
New Power Co., Ltd.	2,140,939	4.9	12,739	9,634	9,463
Fine Semitech Corporation	1,522,975	7.0	43,009	28,480	23,956
DNF Co., Ltd.	810,030	7.0	20,964	7,857	7,144
Marvell Technology, Inc.	173,187	0.0	11,705	15,637	28,119
SoundHound AI Inc.	1,702,957	0.4	13,719	20,279	49,666
<b>Total</b>			1,353,398	2,390,603	2,072,180

(\*) Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

## 5. Inventories

Inventories as of March 31, 2025 and December 31, 2024 are as follows:

(In millions of Korean won)	March 31, 2025			December 31, 2024		
	Gross amount	Valuation allowance	Carrying amount	Gross amount	Valuation allowance	Carrying amount
Finished goods	6,521,949	(1,138,374)	5,383,575	6,374,009	(774,903)	5,599,106
Work in process	21,865,463	(1,920,287)	19,945,176	20,944,352	(1,802,857)	19,141,495
Raw materials and supplies	4,267,395	(515,624)	3,751,771	4,561,944	(552,073)	4,009,871
Materials in transit	529,800	-	529,800	403,643	-	403,643
<b>Total</b>	<b>33,184,607</b>	<b>(3,574,285)</b>	<b>29,610,322</b>	<b>32,283,948</b>	<b>(3,129,833)</b>	<b>29,154,115</b>

## 6. Investments in Subsidiaries, Associates and Joint Ventures

(H) Changes in investments in subsidiaries, associates and joint ventures for the three-month periods ended March 31, 2025 and 2024 are as follows:

(In millions of Korean won)	2025	2024
Balance as of January 1	57,427,196	57,392,438
Acquisition	1,274,797	3,592
Disposal	(94)	(115,776)
<b>Balance as of March 31</b>	<b>58,701,899</b>	<b>57,280,254</b>

(I) Major investments in associates as of March 31, 2025 are as follows:  
(refer to Note 27 for the list of subsidiaries)

Investee	Nature of relationship	Percentage of ownership (%) <sup>(*)</sup>	Principal business location	Fiscal period-end
Samsung Electro-Mechanics Co., Ltd.	Manufacture and supply electronic components including passive components, circuit boards, and modules	23.7	Korea	December
Samsung SDS Co., Ltd.	Provide Information Technology (IT) services including computer programming, system integration and management, and logistical services	22.6	Korea	December
Samsung Biologics Co., Ltd.	Investment in new business	31.2	Korea	December
Samsung SDI Co., Ltd. <sup>(*)2</sup>	Manufacture and supply electronic parts including secondary cell batteries	19.6	Korea	December
Cheil Worldwide, Inc.	Advertising agency	25.2	Korea	December

(\*)1 Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

(\*)2 The Company's ownership of ordinary shares outstanding is 20.6%.

(J) Fair value of marketable investments in associates as of March 31, 2025 and December 31, 2024 as follows:

	March 31, 2025			December 31, 2024	
(In millions of Korean won and number of shares)	Number of shares held	Market value	Carrying amount	Market value	Carrying amount
Samsung Electro- Mechanics Co., Ltd.	17,693,084	2,284,177	445,244	2,190,404	445,244
Samsung SDS Co., Ltd.	17,472,110	2,030,259	560,827	2,232,936	560,827
Samsung Biologics., Co., Ltd.	22,217,309	22,528,351	1,595,892	21,084,226	1,595,892
Samsung SDI., Co., Ltd.	13,462,673	2,537,714	1,242,605	3,332,012	1,242,605
Cheil Worldwide Inc	29,038,075	523,266	491,599	492,195	491,599

- (K) The Company exercised its call option to acquire 3.94 million shares from the largest shareholder of Rainbow Robotics Co., Ltd. on March 12, 2025. Following the acquisition, in accordance with the shareholders' agreement, the Company secured the right to appoint the entire board of directors and consequently reclassified Rainbow Robotics Co., Ltd. from an associate to a subsidiary. The acquisition cost of the shares amounted to ₩1,241,750 million, and a gain of ₩600,606 million was recognized as financial income based on the difference between the fair value of the shares as of the acquisition date and the exercise price of the call option.

## 7. Property, Plant and Equipment

- (A) Changes in property, plant and equipment for the three-month periods ended March 31, 2025 and 2024 are as follows:

(In millions of Korean won)	2025	2024
Balance as of January 1	151,446,870	140,579,161
Acquisition and capital expenditures	9,596,819	8,292,612
Depreciation	(8,436,591)	(6,907,882)
Disposals/scrap/impairment	(86,714)	(32,588)
Other	(23,232)	(1,522)
<b>Balance as of March 31</b>	<b>152,497,152</b>	<b>141,929,781</b>

- (B) Details of depreciation of property, plant and equipment for the three-month periods ended March 31, 2025 and 2024 are as follows:

(In millions of Korean won)	2025	2024
Cost of sales	7,641,062	6,349,137
Selling and administrative expenses and other	795,529	558,745
<b>Total</b>	<b>8,436,591</b>	<b>6,907,882</b>

- (C) Right-of-use assets as of March 31, 2025 amount to ₩1,683,092 million (December 31, 2024: ₩1,730,144 million). During the three-month periods ended March 31, 2025 and 2024, newly recognized right-of-use assets amount to ₩114,503 million and ₩74,283 million, respectively, with relevant depreciation of ₩78,321 million and ₩71,861 million, respectively.

## 8. Intangible Assets

(A) Changes in intangible assets for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Balance as of January 1	10,496,956	10,440,211
External acquisitions	1,267,580	816,682
Amortization	(652,336)	(586,939)
Disposals/scrap/impairment	(5,616)	(8,745)
Other	6,592	10,178
<b>Balance as of March 31</b>	<b>11,113,176</b>	<b>10,671,387</b>

(B) Details of amortization of intangible assets for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Cost of sales	495,323	440,433
Selling and administrative expenses and other	157,013	146,506
<b>Total</b>	<b>652,336</b>	<b>586,939</b>



## 9. Borrowings

Details of the carrying amounts of borrowings as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>Financial institutions</b>	<b>Maturity Date</b>	<b>Interest rate (%) as of Mar 31, 2025</b>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
<b>Short-term borrowings</b>					
Collateralized borrowings <sup>(*)</sup>	Woori Bank and other	-	0.7 ~ 14.2	4,067,920	11,110,972
<b>Current portion of long-term borrowings</b>					
Lease liabilities <sup>(*)</sup>	-	-	2.8	269,055	266,961
Non-collateralized borrowings	Samsung Display Co., Ltd.	August 16, 2025	4.6	21,990,000	21,990,000
<b>Total</b>				<b>22,259,055</b>	<b>22,256,961</b>
<b>Long-term borrowings</b>					
Lease liabilities <sup>(*)</sup>	-	-	2.8	729,334	795,703

<sup>(\*)</sup> Collateralized borrowings are secured by trade receivables.

<sup>(\*)</sup> Interest expenses arising from the lease liabilities for the three-month periods ended March 31, 2025 and 2024 amount to ₩7,175 million and ₩7,953 million, respectively, which are determined using the weighted average incremental borrowing rate.

## 10. Debentures

Details of the carrying amounts of debentures as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>Issue date</b>	<b>Due date</b>	<b>Interest rate (%) as of Mar 31, 2025</b>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
US dollar denominated straight bonds <sup>(*)</sup>	Oct 2, 1997	Oct 1, 2027	7.7	21,998	22,050
				(USD 15 million)	(USD 15 million)
Less: Discounts				(220)	(255)
Less: Current portion				(7,260)	(7,265)
<b>Total</b>				<b>14,518</b>	<b>14,530</b>

<sup>(\*)</sup> US dollar denominated straight bonds are repaid annually for twenty years after a ten-year grace period from the date of issuance. Interest is paid semi-annually in arrears.

## 11. Net Defined Benefit Liabilities (Assets)

- (D) Details of net defined benefit liabilities (assets) recognized in the statements of financial position as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Present value of funded defined benefit obligations	13,317,598	13,152,202
Present value of unfunded defined benefit obligations	25,821	25,500
Subtotal	13,343,419	13,177,702
Fair value of plan assets	(15,302,493)	(15,427,494)
<b>Total</b>	<b>(1,959,074)</b>	<b>(2,249,792)</b>

- (E) The components of defined benefit costs recognized in profit or loss for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Current service cost	288,455	263,395
Net interest income	(28,685)	(53,911)
<b>Total</b>	<b>259,770</b>	<b>209,484</b>

- (F) The expenses related to defined benefit plans recognized in the statements of profit or loss for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Cost of sales	107,563	82,912
Selling and administrative expenses and other	152,207	126,572
<b>Total</b>	<b>259,770</b>	<b>209,484</b>

## 12. Provisions

Changes in the provisions for the three-month period ended March 31, 2025 are as follows:

<i>(In millions of Korean won)</i>	<b>Warranty (A)</b>	<b>Royalty expenses (B)</b>	<b>Long-term incentives (C)</b>	<b>Other (D, E)</b>	<b>Total</b>
Balance as of January 1	756,630	2,793,901	654,326	4,655,107	8,859,964
Charged to profit or loss	129,930	207,314	49,146	50,067	436,457
Payment	(139,850)	(181,153)	-	(142,750)	(463,753)
Other	-	(17,606)	-	(2,446)	(20,052)
<b>Balance as of March 31</b>	<b>746,710</b>	<b>2,802,456</b>	<b>703,472</b>	<b>4,559,978</b>	<b>8,812,616</b>

- (F) The Company accrues warranty provisions for estimated costs of quality assurance, exchanges, repairs, recalls, and future services based on historical experience and terms of warranty programs.
- (G) The Company recognizes provisions for the estimated royalty expenses that are under negotiation with counterparties. The timing and amount of payment depend on the settlement of the negotiations.
- (H) The Company has a long-term incentive plan for its executives based on a three-year management performance criteria and recognizes a provision for the estimated incentive cost.
- (I) The Company records provisions for future expenses expected to be incurred for products that have been discontinued from manufacturing and sales.
- (J) The Company makes provisions for the emission in excess of the emission rights held by the Company for the applicable years. Details of emission rights and liabilities as of March 31, 2025 are as follows:

- (1) The amount of emission rights allocated free of charge in the current commitment period and the estimated amount of emission as of March 31, 2025 are as follows:

<i>(In ten thousand metric tons)</i>	<b>March 31, 2025</b>
Emission rights allocated free of charge	1,117
Estimated volume of emission	1,537

- (2) Changes in the emission rights for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Balance as of January 1	3,137	3,137
Acquisition	-	-
Utilization	-	-
<b>Balance as of March 31</b>	<b>3,137</b>	<b>3,137</b>

- (3) The Company has not recognized emission liabilities for the three-month periods ended March 31, 2025 and 2024.

### 13. Commitments and Contingencies

#### (A) Guarantees

- (1) Debt guarantees provided by the Company for overseas subsidiaries as of March 31, 2025 are as follows:

*(In millions of Korean won and thousands of US dollars)*

Debtor	Creditor	Date of maturity	Amount of indebtedness	Guaranteed amount
SETK	BNP and others	December 16, 2025	506,949	1,388,776
Other	Others	-	-	10,511,492
<b>Total</b>			506,949	11,900,268
			USD 345,699	USD 8,114,741

- (2) The ceiling amount of guarantees provided by the Company for the execution of contracts by overseas subsidiaries is ₩534,220 million as of March 31, 2025.
- (3) The Company has not been provided any collateral or guarantees from its related parties as of March 31, 2025.

#### (B) Litigation

As of March 31, 2025, the Company is involved in various claims, disputes, and investigations conducted by regulatory bodies that arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, the Company believes the outcome will not have a material impact on the financial position of the Company.

#### (C) Joint liabilities related to the divestiture

The Company, Samsung Display Co., Ltd. and others are jointly and severally liable to fulfill the debts of Samsung Display Co., Ltd. and others which relate to the periods prior to Samsung Display Co., Ltd.'s separation from the Company.

#### (D) Other commitments

As of March 31, 2025, contractual commitments for the acquisition of property, plant and equipment and intangible assets amount to ₩10,767,768 million.

## 14. Contract Liabilities

The Company has recognized contract related to contracts with customers as follows:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Contract liabilities <sup>(*)</sup>	2,169,506	1,559,287

<sup>(\*)</sup> Contract liabilities include advances received, accrued expenses, other current liabilities and others.

## 15. Share Capital

As of March 31, 2025, the Company's total number of authorized shares is 25,000,000,000 shares (₩100 per share). As well as its ordinary shares, Company also has non-cumulative preference shares that are eligible for an additional 1% cash dividend over par value per annum compared to ordinary shares, but without voting rights. The Company has issued 5,919,637,922 shares of ordinary shares and 815,974,664 shares of preference shares as of March 31, 2025, excluding the number of retired shares. The number of shares outstanding is different from the aforementioned number of shares issued due to purchase of treasury shares. Due to the retirement of shares, the total par value of the shares issued which excludes the number of retired shares is ₩673,561 million (ordinary shares of ₩ 591,964 million and preference shares of ₩81,597 million), which does not agree with paid-in capital of ₩897,514 million.

<i>(Number of shares)</i>	<b>Ordinary shares outstanding</b>	<b>Preference shares outstanding</b>
As of January 1, 2024	5,969,782,550	822,886,700
Treasury shares purchased	(29,700,000)	(4,050,000)
As of December 31, 2024	5,940,082,550	818,836,700
As of January 1, 2025	5,940,082,550	818,836,700
Treasury shares purchased	(47,444,628)	(6,587,036)
As of March 31, 2025	5,892,637,922	812,249,664

The Company retired 50,144,628 ordinary shares and 6,912,036 preference shares during the three-month period ended March 31, 2025, with total acquisition cost of ₩ 3,049,040 million, pursuant to the board of directors' resolution on February 18, 2025.

## 16. Retained Earnings

(B) Retained earnings as of March 31, 2025 and December 31, 2024 consist of the following:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Legal reserves	450,789	450,789
Discretionary reserves, etc.	234,167,377	233,283,527
<b>Total</b>	<b>234,618,166</b>	<b>233,734,316</b>

(B) Details of interim dividends are as follows (Record date: March 31, 2025 and 2024)

<i>(In millions of Korean won and number of shares)</i>			2025	2024
1 <sup>st</sup> Quarter	Number of shares eligible for dividends	Ordinary shares	5,892,637,922	5,969,782,550
		Preference shares	812,249,664	822,886,700
	Dividend rate (based on par value)	Ordinary/Preference	365%	361%
	Dividend amount	Ordinary shares	2,150,813	2,155,092
		Preference shares	296,471	297,062
	<b>Total</b>	2,447,284	2,452,154	

## 17. Other Components of Equity

(A) Other components of equity as of March 31, 2025 and December 31, 2024 consist of the following:

<i>(In millions of Korean won)</i>	<b>March 31, 2025</b>	<b>December 31, 2024</b>
Gain on valuation of financial assets at fair value through other comprehensive income	727,864	488,102
Remeasurement of net defined benefit liabilities (assets)	(3,104,848)	(3,075,801)
Treasury shares	(1,718,586)	(1,811,775)
Share-based compensation	271,326	-
Others	1,760,408	1,760,408
<b>Total</b>	<b>(2,063,836)</b>	<b>(2,639,066)</b>

(B) Treasury shares as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won and number of shares)</i>		<b>2025</b>	<b>2024</b>
Number of treasury shares purchased	Ordinary shares	27,000,000	29,700,000
	Preference shares	3,725,000	4,050,000
Acquisition cost	Ordinary shares	1,541,799	1,625,252
	Preference shares	176,787	186,523

(C) Equity-settled performance incentive

The Company agreed to grant restricted stock awards (RSA) to executives as part of their performance incentives, which will be settled in January 2026. Accordingly, ₩63,912 million of performance incentives (1,176,383 ordinary shares), which is set to be equity-settled, was reclassified from accrued expense to other components of equity.

(D) Share-based compensation for employees and executives

The Company agreed to grant 30 ordinary shares to each of all employees and executives who were in service as of March 5, 2025 as agreed through labor-management negotiations. Accordingly, the Company recognized the fair value of 3,841,035 ordinary shares to be granted, amounting to ₩207,414 million as of the grant date, as wages and salaries and other components of equity. The shares will be granted during the year ended December 31, 2025.

## 18. Expenses by Nature

Expenses by nature for the three-month periods ended March 31, 2025 and 2024 consist of the following:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
Changes in finished goods, work in process, and other	(588,151)	(1,055,043)
Raw materials used, merchandise purchased, and other	26,038,309	24,505,265
Wages and salaries	4,454,758	3,871,247
Post-employment benefit	260,680	210,609
Depreciation	8,436,591	6,907,882
Amortization	652,336	586,939
Welfare	940,902	879,011
Utilities	1,539,278	1,391,476
Outsourcing	1,271,659	951,212
Advertising	256,033	370,551
Sales promotion	398,006	310,302
Other	10,405,197	10,302,786
<b>Total<sup>(*)</sup></b>	<b>54,065,598</b>	<b>49,232,237</b>

<sup>(\*)</sup>Equal to the sum of cost of sales and selling and administrative expenses in the interim separate statement of profit or loss.

## 19. Selling and Administrative Expenses

Selling and administrative expenses for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
<b>Selling and administrative expenses</b>		
Wages and salaries	705,079	755,594
Post-employment benefit	43,716	36,937
Commissions	909,413	720,785
Depreciation	122,362	118,581
Amortization	104,336	98,233
Advertising	256,033	370,551
Sales promotion	398,006	310,302
Transportation	166,940	227,061
Service	423,804	587,770
Other	583,505	509,078
Subtotal	3,713,194	3,734,892
<b>Research and development expenses</b>		
Research and development	7,893,729	6,724,495
<b>Total</b>	<b>11,606,923</b>	<b>10,459,387</b>



20. Other Non-Operating Income and Expenses

Details of other non-operating income and expenses for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	2025	2024
<b>Other non-operating income</b>		
Dividend income	4,309,232	8,149,657
Rental income	45,258	46,522
Gain on disposal of property, plant and equipment	8,988	9,628
Other	55,772	43,311
<b>Total</b>	<b>4,419,250</b>	<b>8,249,118</b>

<i>(In millions of Korean won)</i>	2025	2024
<b>Other non-operating expenses</b>		
Loss on disposal of property, plant and equipment	2,000	21,264
Donations	30,847	64,584
Other	15,180	185,239
<b>Total</b>	<b>48,027</b>	<b>271,087</b>

## 21. Financial Income and Expenses

Details of financial income and expenses for the three-month periods ended March 31, 2025 and 2024 are as follows:

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
<b>Financial income</b>		
Interest income	71,483	60,491
Financial assets measured at amortized cost	71,483	60,491
Foreign exchange differences	1,158,710	1,350,333
Gain from derivatives	600,606	29,441
<b>Total</b>	<b>1,830,799</b>	<b>1,440,265</b>

<i>(In millions of Korean won)</i>	<b>2025</b>	<b>2024</b>
<b>Financial expenses</b>		
Interest expenses	164,504	200,943
Financial liabilities measured at amortized cost	73,437	72,674
Other financial liabilities	91,067	128,269
Foreign exchange differences	1,115,205	1,239,436
<b>Total</b>	<b>1,279,709</b>	<b>1,440,379</b>

The Company recognizes foreign exchange gains and losses arising from foreign currency transactions and translation as financial income and expenses.

## 22. Income Tax Expense

Income tax expense is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The average annual tax rate expected as of March 31, 2025 to be effective for the year ended December 31, 2025 is 0.1%.

## 23. Earnings per Share

Earnings per share for the three-month periods ended March 31, 2025 and 2024 are calculated as follows:

### (B) Ordinary shares

#### (1) Basic earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period	6,387,197	9,737,437
Profit for the period attributable to ordinary shares	5,613,673	8,557,811
Weighted-average number of ordinary shares outstanding	5,920,293	5,969,783
<b>Basic earnings per ordinary share (in Korean won)</b>	<b>948</b>	<b>1,434</b>

#### (2) Diluted earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period	6,387,197	9,737,437
Profit for the period attributable to ordinary shares	5,613,785	8,557,811
Weighted-average number of diluted ordinary shares outstanding <sup>(*)</sup>	5,921,138	5,969,783
<b>Diluted earnings per ordinary share (in Korean won)</b>	<b>948</b>	<b>1,434</b>

<sup>(\*)</sup> The weighted average diluted potential common shares included are related to stock-based compensation and the number of shares is 84,500 shares and nil for the three-month periods ended March 31, 2025 and 2024 were, respectively.

### (C) Preference shares

#### (1) Basic earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period	6,387,197	9,737,437
Profit attributable to preference shareholders	773,524	1,179,626
Weighted-average number of preference shares outstanding	815,926	822,887
<b>Basic earnings per preference share (in Korean won)</b>	<b>948</b>	<b>1,434</b>

#### (2) Diluted earnings per share

<i>(In millions of Korean won and thousands of number of shares)</i>	<b>2025</b>	<b>2024</b>
Profit for the period	6,387,197	9,737,437
Profit for the period attributable to preference shares	773,412	1,179,626
Weighted-average number of diluted preference shares outstanding	815,926	822,887
<b>Diluted earnings per preference share (in Korean won)</b>	<b>948</b>	<b>1,434</b>

## 24. Statements of Cash Flows

(A) The Company used the indirect method to present cash flows from operating activities. Adjustments and changes in assets and liabilities arising from operating activities for the three-month periods ended March 31, 2025 and 2024 are as follows:

- Adjustments

<i>(In millions of Korean won)</i>	2025	2024
Adjustments :		
Income tax expense	4,389	247,860
Financial income	(1,143,534)	(467,923)
Financial expenses	1,125,428	878,506
Post-employment benefits	260,680	210,609
Depreciation	8,436,591	6,907,882
Amortization	652,336	586,939
Bad debt expense	20,126	6,975
Dividend income	(4,309,232)	(8,149,657)
Gain on disposal of property, plant and equipment	(8,988)	(9,628)
Loss on disposal of property, plant and equipment	2,000	21,264
Loss on valuation of inventories and others	690,983	(1,754,124)
Others	214,625	54,437
<b>Total</b>	<b>5,945,404</b>	<b>(1,466,860)</b>

- Changes in assets and liabilities arising from operating activities

<i>(In millions of Korean won)</i>	2025	2024
Changes in assets and liabilities :		
Increase in trade receivables	(15,636)	(5,181,386)
Decrease in non-trade receivables	1,259,126	223,291
Decrease in prepaid expenses	47,424	37,269
Decrease (increase) in inventories	(1,117,277)	247,137
Increase (in trade payables	2,630,299	4,386,544
Decrease in other payables	(3,153,390)	(1,227,176)
Decrease in advances received	(74,404)	(55,057)
Increase in withholdings	51,416	25,813
Decrease in accrued expenses	(1,054,370)	(278,614)
Increase (decrease) in provisions	(27,296)	1,305,879
Payment of post-employment benefits	(285,253)	(220,017)
Other	(234,614)	(703,067)
<b>Total</b>	<b>(1,973,975)</b>	<b>(1,439,384)</b>

(B) For the three-month periods ended March 31, 2025 and 2024, cash outflows from principal portion of lease liabilities (financial activities) were ₩73,188 million and ₩52,838 million, respectively, and cash outflows due to interest expenses (operating activities) in relation to the lease liabilities amount to ₩7,175 million and ₩7,953 million, respectively.

## 25. Financial Risk Management

The Company manages its financial risks with a focus on minimizing the market risk, the credit risk, and the liquidity risk arising from its operating activities. To this end, the Company closely monitors and responds to each risk factor.

The Company establishes global financial management standards, periodically measures customer and counterparty financial risk, and manages the risk with currency hedges and review of cash flows.

The Company also manages foreign exchange risk by monitoring foreign exchange rate fluctuations through local financial centers in the major regions (United States, United Kingdom, Singapore, China, Brazil, and Russia), which act as an agent for the subsidiaries in each region to manage foreign exchange transactions. In addition, local finance centers in the major regions respond to liquidity risk through a regionally integrated financial structure.

The Company's financial assets subject to financial risk management consist of cash and cash equivalents, short-term financial instruments, financial assets at amortized cost, trade receivables and others, while its financial liabilities consist of trade payables, borrowings, and others.

### (F) Market risk

#### (4) Foreign exchange risk

The Company is exposed to foreign exchange risk arising from its global operations through transactions in currencies other than its functional currency. The main currencies in which the Company is exposed to foreign exchange risk are the US dollar and European Euro.

The Company focuses on minimizing the impact of foreign exchange fluctuation by matching levels of assets and liabilities denominated in each foreign currency. To minimize exchange position, the Company's foreign exchange management policy requires normal business transactions, including import and export, as well as financing transactions, such as depositing and borrowing, to be in local currency or match as closely as possible cash inflows and outflows incurred in the respective foreign currencies. This reduces but may not eliminate, the foreign exchange risk to which the Company is exposed. Moreover, the Company periodically evaluates and monitors the foreign exchange risk to efficiently mitigate such risk, and the speculative foreign exchange transactions are strictly prohibited.

#### (5) Interest rate risk

Interest rate risk for floating interest rate financial instruments can be defined as the risk of changes in the fair value of components of the statement of financial position due to changes in the market interest rates, and the risk of changes in the future cash flows of interest income and expenses arising from investing and financing activities. The Company's exposure to interest rate risk arises primarily from interest-bearing deposits and floating interest rate debt obligations, and the Company manages its exposure to interest rate risk to minimize uncertainty and cost of financing resulting from changes in interest rates.

(6) Price risk

The Company's investment portfolio consists of direct and indirect investments in equity instruments classified as financial assets at fair value through other comprehensive income, which is in line with the Company's strategy.

As of March 31, 2025 and 2024, price fluctuation of marketable equity securities (listed stocks) by 1% would result in changes in other comprehensive income (before income tax) of ₩23,906 million and ₩19,509 million, respectively.

(G) Credit risk

Credit risk arises during the normal course of transactions and investing activities where customers or other parties fail to discharge an obligation. The Company monitors and sets the customer's and counterparty's credit limit on a periodic basis based on their financial conditions, default history and other factors. Adequate insurance coverage is maintained for trade receivables related to trading partners situated in high risk countries.

Credit risk also can arise from transactions with financial institutions including transactions in financial instrument such as cash and cash equivalents, deposits, and derivative instruments. To minimize such risk, the Company transacts only with banks that have a strong international credit rating (S&P A and above), and new transactions with financial institutions which the Company does not have an existing relationship are subject to the completion of risk assessments prior to commencement of transactions. The Company generally enters into financial agreements without restrictions, such as debt ratio covenants, provision of collateral and/or repayment of loans/borrowings, and otherwise separate approvals are obtained.

The carrying amount of the Company's financial assets is net of impairment losses and the Company's maximum exposure to credit risk is equal to the carrying amount of its financial assets.

(H) Liquidity risk

Liquidity risk is the risk that a company will have difficulty in meeting all its financial obligations. The Company's main sources of liquidity are cash generated from operations and funds raised from the capital markets and financial institutions, while its main liquidity needs are for investments in production, research and development, working capital and dividends. Due to the nature of the Company's business, which involves large investments, maintaining adequate levels of liquidity is critical. The Company maintains and manages adequate liquidity through forecasting periodic cash flows, estimating required cash levels, and monitoring inflows and outflows of cash.

The Company has established Cash Pooling by region to respond effectively to liquidity risks, even when individual companies within a region are underfunded. Cash Pooling is a system that shares funds between underfunded and overfunded companies, minimizing the liquidity risk of individual companies, easing the burden of fund management, and reducing financial costs.

In addition, the Company has secured credit lines for its overseas subsidiaries by means of payment guarantees from the head office in the event of large liquidity needs, and, at the end of the period, the Company had investment grade ratings of Aa2 from Moody's and AA- from S&P, enabling it to raise funds on the capital market in a timely manner.

(I) Capital risk management

The purpose of capital management is to maintain a sound capital structure and protect the Company's ability to continue to provide benefits to its shareholders and stakeholders as a going concern. The Company monitors capital on the basis of credit ratings and debt ratio.

The debt ratios as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2025	December 31, 2024
Total liabilities	84,682,260	88,569,470
Total equity	237,855,737	236,396,657
<b>Debt ratio</b>	<b>35.6%</b>	<b>37.5%</b>

(J) Fair value measurement

- (6) Carrying amounts and fair values of financial instruments by category as of March 31, 2025 and December 31, 2024 are as follows:

<i>(In millions of Korean won)</i>	March 31, 2025		December 31, 2024	
	Carrying amount	Fair value	Carrying amount	Fair value
<b>Financial assets</b>				
Cash and cash equivalents	3,288,472	(*)	1,653,766	(*)
Short-term financial instruments	1,414,698	(*)	10,187,991	(*)
Trade receivables	34,181,288	(*)	33,840,357	(*)
Financial assets at fair value through other comprehensive income	2,502,109	2,502,109	2,176,346	2,176,346
Other <sup>(*)</sup>	5,982,573	-	5,639,328	373,681
<b>Total financial assets</b>	<b>47,369,140</b>		<b>53,497,788</b>	
<b>Financial liabilities</b>				
Trade payables	13,039,247	(*)	10,287,967	(*)
Short-term borrowings	4,067,920	(*)	11,110,972	(*)
Other payables	17,904,010	(*)	18,331,728	(*)
Current portion of long-term liabilities	22,266,315	7,784	22,264,226	7,737
- Long-term borrowings	22,259,055	(*)(*)	22,256,961	(*)(*)
- Debentures	7,260	7,784	7,265	7,737
Debentures	14,518	16,566	14,530	16,427
Long-term borrowings	729,334	(*)	795,703	(*)
Long-term other payables	4,505,019	(*)	4,383,749	(*)
Other	5,432,205	(*)	4,893,869	(*)
<b>Total financial liabilities</b>	<b>67,958,568</b>		<b>72,082,744</b>	

(\*) Carrying amount is a reasonable approximation of fair value.

(\*) Carrying amount of financial assets amounting to ₩5,982,573 million on March 31, 2025 (December 31, 2024: ₩5,265,647 million), which is a reasonable estimate of fair value, are excluded from the fair value disclosures.

(\*) Lease liabilities, classified under the current portion of long-term liabilities and long-term borrowings, are excluded from the fair value disclosures in accordance with *Korean IFRS 1107*.

- (7) Fair value hierarchy classifications of the financial instruments that are measured or disclosed at fair value as of March 31, 2025 and December 31, 2024 are as follows:

	March 31, 2025			
(In millions of Korean won)	Level 1	Level 2	Level 3	Total balance
<b>1) Assets</b>				
Financial assets at fair value through other comprehensive income	2,390,603	-	111,506	2,502,109
Other	-	-	-	-
<b>2) Liabilities</b>				
Current portion of debentures	-	7,784	-	7,784
Debentures	-	16,566	-	16,566

	December 31, 2024			
(In millions of Korean won)	Level 1	Level 2	Level 3	Total balance
<b>1) Assets</b>				
Financial assets at fair value through other comprehensive income	2,072,180	-	104,166	2,176,346
Other	-	-	373,681	373,681
<b>2) Liabilities</b>				
Current portion of debentures	-	7,737	-	7,737
Debentures	-	16,427	-	16,427

The levels of the fair value hierarchy and its application to financial assets and liabilities are described below.

- Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities
- Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly
- Level 3: Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs)

The fair value of financial instruments traded in active markets is based on quoted market prices at the reporting date. A market is regarded as active if quoted prices are readily and regularly available from an exchange, dealer, broker, industry group, pricing service, or regulatory agency, and those prices represent actual and regularly occurring market transactions on an arm's length basis. These instruments are included in Level 1. The instruments included in Level 1 are listed equity investments, most of which are classified as financial assets at fair value through other comprehensive income.

The fair value of financial instruments that are not traded in an active market is determined by using valuation techniques. These valuation techniques maximize the use of observable market data where available and rely as little as possible on entity-specific estimates. If all significant inputs required to measure the fair value of an instrument are observable, the instrument is included in Level 2.

If one or more of the significant inputs are not based on observable market data, the instrument is included in Level 3.



The Company performs the fair value measurements required for financial reporting purposes, including Level 3 fair values, and discusses valuation processes and results in line with the financial reporting timelines. The Company's policy is to recognize transfers between levels at the end of the reporting period if corresponding events or changes in circumstances have occurred. Specific valuation techniques used to value financial instruments include:

- Quoted market prices or dealer quotes for similar instruments
- The fair value of forward foreign exchange contracts determined using forward exchange rates at the reporting date, with the resulting value discounted to present value

Other techniques, such as discounted cash flow analysis and etcetera, are used to determine fair value for the remaining financial instruments. For trade and other receivables that are classified as current assets, the book value approximates a reasonable estimate of fair value.

#### (8) Valuation technique and the inputs

The Company utilizes a present value technique to discount future cash flows using proper interest rates for corporate bonds, government and public bonds, and bank debentures that are classified as Level 2 in the fair value hierarchy.

The following table presents the valuation technique and the inputs used for major financial instruments classified as Level 3 as of March 31, 2025.

*(In millions of Korean won, and percentage)*

Classification	Fair value	Valuation technique	Level 3 inputs	Input range
<b>Financial assets at fair value through other comprehensive income</b>				
Samsung Venture Investment	36,299	Discounted cash flow	Permanent growth rate	1.0%
			Weighted average cost of capital	15.4%
MiCo Ceramics Co., Ltd.	57,088	Discounted cash flow and etc.	Permanent growth rate	0.0%
			Weighted average cost of capital	11.2%

#### (9) Changes in Level 3 instruments:

*(In millions of Korean won)*

	2025	2024
<b>Financial assets</b>		
Balance as of January 1	477,847	490,403
Acquisitions	-	-
Disposals	-	-
Amount recognized in profit for the period	600,606	29,440
Amount recognized in other comprehensive income	7,340	1,654
Other	(974,287)	-
<b>Balance as of March 31</b>	<b>111,506</b>	<b>521,497</b>

(10) Sensitivity analysis for recurring fair value measurements categorized within Level 3

Sensitivity analysis of financial instruments is performed to measure favorable and unfavorable changes in the fair value of financial instruments which are affected by the unobservable parameters, using a statistical technique. When the fair value is affected by more than two input parameters, the amounts represent the most favorable or unfavorable.

The results of the sensitivity analysis for effect on income or loss before tax from changes in inputs for major financial instruments which are categorized within Level 3 and subject to sensitivity analysis are as follows:

<i>(In millions of Korean won)</i>	Favorable changes		Unfavorable changes	
	Profit or loss	Equity	Profit or loss	Equity
Financial assets at fair value through other comprehensive income <sup>(*)</sup>	-	5,971	-	(4,108)

<sup>(\*)</sup> For equity securities, changes in fair value are calculated by increasing or decreasing the discount rate and growth rate (-1.0% ~1.0%), which are significant unobservable inputs.

## 26. Segment Information

The chief operating decision-maker has been identified as the Management Committee. The Company determines operating segments based on the segment information reported to the Management Committee. The Management Committee reviews the operating profits of each operating segment in order to evaluate the performance and to make strategic decisions regarding the allocation of resources to each segment.

Revenue consists mostly of product sales. The operating segments are product-based and are identified based on the internal organization and revenue streams. As of the reporting date, the operating segments are comprised of DX, DS, and others.

Total assets and liabilities of each operating segment are excluded from the disclosure as these have not been provided regularly to the Management Committee.

(1) For the three-month period ended March 31, 2025

<i>(In millions of Korean won)</i>	DX	DS	Total <sup>(*)</sup>
Revenue	33,023,911	24,658,121	55,534,871
Depreciation	148,483	8,234,941	8,436,591
Amortization	409,194	183,926	652,336
Operating profit	1,388,471	82,013	1,469,273

<sup>(\*)</sup> Other operating segments are not separately disclosed.

(2) For the three-month period ended March 31, 2024

<i>(In millions of Korean won)</i>	DX	DS	Total <sup>(*)</sup>
Revenue	30,581,450	22,829,373	51,239,617
Depreciation	133,744	6,723,408	6,907,882
Amortization	393,261	136,186	586,939
Operating profit	938,898	1,067,002	2,007,380

<sup>(\*)</sup> Other operating segments are not separately disclosed.

## 27. Related Party Transactions

### (A) Subsidiaries

List of subsidiaries as of March 31, 2025 is as follows:

Region	Subsidiaries	Industry	Percentage of ownership (%) <sup>(*)</sup>
America	Samsung Electronics America, Inc. (SEA)	Sale of electronic devices	100.0
	Samsung International, Inc. (SII)	Manufacture of electronic devices	100.0
	Samsung Mexicana S.A. de C.V (SAMEX)	Manufacture of electronic devices	100.0
	Samsung Electronics Home Appliances America, LLC (SEHA)	Manufacture of home appliances	100.0
	Samsung Research America, Inc. (SRA)	R&D	100.0
	SAMSUNG NEXT LLC (SNX)	Management of overseas subsidiaries	100.0
	SAMSUNG NEXT FUND LLC (SNXF)	Technology business, Venture capital investments	100.0
	NeuroLogica Corp.	Manufacture and sale of medical equipment	100.0
	Samsung Lennox HVAC North America, LLC	Sale of air conditioning products	50.1
	Joyent, Inc.	Cloud services	100.0
	SmartThings, Inc.	Smart home platforms	100.0
	TeleWorld Solutions, Inc. (TWS)	Installation and optimization of network devices	100.0
	Samsung Semiconductor, Inc. (SSI)	Sale of semiconductor and display panels	100.0
	Samsung Federal, Inc. (SFI)	R&D	100.0
	Samsung Austin Semiconductor LLC. (SAS)	Manufacture of semiconductors	100.0
	Samsung Oak Holdings, Inc. (SHI)	Management of overseas subsidiaries	100.0
	SEMES America, Inc.	Maintenance of semiconductor equipment	100.0
	Samsung Display America Holdings, Inc. (SDAH)	Management of overseas subsidiaries	100.0
	eMagin Corporation	Development and manufacture of display panels	100.0
	Samsung Electronics Canada, Inc. (SECA)	Sale of electronic devices	100.0
	AdGear Technologies Inc.	Digital advertising platforms	100.0
	Sonio Corporation	Sale of Software	100.0
	RAINBOW ROBOTICS USA Co., Ltd.	Sale of robots	100.0
	Samsung Eletronica da Amazonia Ltda. (SEDA)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Mexico S.A. De C.V. (SEM)	Sale of electronic devices	100.0
	Samsung Electronics Digital Appliance Mexico, SA de CV (SEDAM)	Manufacture of home appliances	100.0
	Samsung Electronics Latinoamerica(Zona Libre), S. A. (SELA)	Sale of electronic devices	100.0
	Samsung Electronics Latinoamerica Miami, Inc. (SEMI)	Sale of electronic devices	100.0
	Samsung Electronica Colombia S.A. (SAMCOL)	Sale of electronic devices	100.0
	Samsung Electronics Argentina S.A. (SEASA)	Marketing and services	100.0
	Samsung Electronics Chile Limitada (SECH)	Sale of electronic devices	100.0
	Samsung Electronics Peru S.A.C. (SEPR)	Sale of electronic devices	100.0
	Samsung Electronics Venezuela, C.A. (SEVEN)	Marketing and services	100.0
	Samsung Electronics Panama. S.A. (SEPA)	Consulting services	100.0
	Harman International Industries, Inc.	Management of overseas subsidiaries	100.0
	Harman Becker Automotive Systems, Inc.	Manufacture, sale, and R&D of audio products	100.0
	Harman Connected Services, Inc.	Connected service provider	100.0
	Harman Connected Services Engineering Corp.	Connected service provider	100.0
	Harman da Amazonia Industria Eletronica e Participacoes Ltda.	Manufacture and sale of audio products	100.0
	Harman de Mexico, S. de R.L. de C.V.	Manufacture of audio products	100.0
	Harman do Brasil Industria Eletronica e Participacoes Ltda.	Sale and R&D of audio products	100.0
	Harman International Industries Canada Ltd.	Sale of audio products	100.0
	Harman International Mexico, S. de R.L. de C.V.	Sale of audio products	100.0
	Harman KG Holding, LLC	Management of overseas subsidiaries	100.0
	Harman Professional, Inc.	Sale and R&D of audio products	100.0
	Roon Labs, LLC.	Sale of audio products	100.0
	Beijing Integrated Circuit Industry International Fund, L.P	Investment in Venture capital	61.4
	China Materialia New Materials 2016 Limited Partnership	Investment in Venture capital	99.0

<sup>(\*)</sup> Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Industry	Percentage of ownership (%) <sup>(*)</sup>
Europe & CIS	Samsung Electronics (UK) Ltd. (SEUK)	Sale of electronic devices	100.0
	Samsung Electronics Ltd. (SEL)	Management of overseas subsidiaries	100.0
	Samsung Semiconductor Europe Limited (SSEL)	Sale of semiconductor and display panels	100.0
	Samsung Electronics GmbH (SEG)	Sale of electronic devices	100.0
	Samsung Electronics Holding GmbH (SEHG)	Management of overseas subsidiaries	100.0
	Samsung Semiconductor Europe GmbH (SSEG)	Sale of semiconductor and display panels	100.0
	Samsung Electronics France S.A.S (SEF)	Sale of electronic devices	100.0
	Samsung Electronics Italia S.P.A. (SEI)	Sale of electronic devices	100.0
	Samsung Electronics Iberia, S.A. (SESA)	Sale of electronic devices	100.0
	Samsung Electronics Portuguesa, Unipessoal, Lda. (SEP)	Sale of electronic devices	100.0
	Samsung Electronics Hungarian Private Co. Ltd. (SEH)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Europe Logistics B.V. (SELS)	Logistics	100.0
	Samsung Electronics Benelux B.V. (SEBN)	Sale of electronic devices	100.0
	Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	Management of overseas subsidiaries	100.0
	Samsung Electronics Nordic Aktiebolag (SENA)	Sale of electronic devices	100.0
	Samsung Electronics Slovakia s.r.o (SESK)	Manufacture of TV and monitors	100.0
	Samsung Electronics Polska, SP.Zo.o (SEPOL)	Sale of electronic devices	100.0
	Samsung Electronics Poland Manufacturing SP.Zo.o (SEPM)	Manufacture of home appliances	100.0
	Samsung Electronics Romania LLC (SEROM)	Sale of electronic devices	100.0
	Samsung Electronics Austria GmbH (SEAG)	Sale of electronic devices	100.0
	Samsung Electronics Switzerland GmbH (SESG)	Sale of electronic devices	100.0
	Samsung Electronics Czech and Slovak s.r.o. (SECZ)	Sale of electronic devices	100.0
	SAMSUNG ELECTRONICS BALTICS SIA (SEB)	Sale of electronic devices	100.0
	Samsung Electronics Greece S.M.S.A (SEGR)	Sale of electronic devices	100.0
	Samsung Electronics Air Conditioner Europe B.V. (SEACE)	Sale of air conditioning products	100.0
	Samsung Nanoradio Design Center (SNDC)	R&D	100.0
	Samsung Denmark Research Center ApS (SDRC)	R&D	100.0
	Samsung Cambridge Solution Centre Limited (SCSC)	R&D	100.0
	SAMSUNG Zhilabs, S.L.	Development and sale of network solution	100.0
	FOODIENT LTD.	R&D	100.0
	Oxford Semantic Technologies Limited (OST)	R&D	100.0
	Sonio SAS	Sale and R&D of Software	100.0
	Samsung Electronics Rus Company LLC (SERC)	Sale of electronic devices	100.0
	Samsung Electronics Rus Kaluga LLC (SERK)	Manufacture of TV	100.0
	Samsung Electronics Ukraine Company LLC (SEUC)	Sale of electronic devices	100.0
	Samsung R&D Institute Ukraine (SRUKR)	R&D	100.0
	Samsung Electronics Central Eurasia LLP (SECE)	Sale of electronic devices	100.0
	Samsung R&D Institute Rus LLC (SRR)	R&D	100.0
	Samsung Electronics Caucasus Co. Ltd (SECC)	Marketing	100.0
	Samsung Electronics Uzbekistan Ltd. (SEUZ)	Marketing	100.0

<sup>(\*)</sup> Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Industry	Percentage of ownership (%) <sup>(*)</sup>
Europe	AKG Acoustics GmbH	Manufacture and sale of audio products	100.0

& CIS	Apostera UA, LLC	Connected service provider	100.0
	Harman Audio Iberia Espana Sociedad Limitada	Sale of audio products	100.0
	Harman Becker Automotive Systems GmbH	Manufacture, sale, and R&D of audio products	100.0
	Harman Becker Automotive Systems Italy S.R.L.	Sale of audio products	100.0
	Harman Becker Automotive Systems Manufacturing Kft	Manufacture and R&D of audio products	100.0
	Harman Belgium SA	Sale of audio products	100.0
	Harman Connected Services AB.	Connected service provider	100.0
	Harman Finland Oy	Connected service provider	100.0
	Harman Connected Services GmbH	Connected service provider	100.0
	Harman Connected Services Poland Sp.zoo	Connected service provider	100.0
	Harman Connected Services UK Ltd.	Connected service provider	100.0
	Harman Consumer Nederland B.V.	Sale of audio products	100.0
	Harman Deutschland GmbH	Sale of audio products	100.0
	Harman France SNC	Sale of audio products	100.0
	Harman Holding GmbH & Co. KG	Management company	100.0
	Harman Hungary Financing Ltd.	Financing company	100.0
	Harman Inc. & Co. KG	Management of overseas subsidiaries	100.0
	Harman International Estonia OU	R&D	100.0
	Harman International Industries Limited	Sale and R&D of audio products	100.0
	Harman International Romania SRL	R&D	100.0
	Harman Management GmbH	Management of overseas subsidiaries	100.0
	Harman Professional Kft	Manufacture and R&D of audio products	100.0
	Harman Professional Denmark ApS	Sale and R&D of audio products	100.0
	Red Bend Software SAS	Software design	100.0
	Studer Professional Audio GmbH	Sale and R&D of audio products	100.0
	Harman Connected Services OOO	Connected service provider	100.0
	Harman RUS CIS LLC	Sale of audio products	100.0
Middle East & Africa	Samsung Gulf Electronics Co., Ltd. (SGE)	Sale of electronic devices	100.0
	Samsung Electronics Turkiye (SETK)	Sale of electronic devices	100.0
	Samsung Electronics Industry and Commerce Ltd. (SETK-P)	Manufacture of electronic devices	100.0
	Samsung Electronics Levant Co., Ltd. (SELV)	Sale of electronic devices	100.0
	Samsung Electronics Maghreb Arab (SEMAG)	Sale of electronic devices	100.0
	Samsung Electronics Egypt S.A.E (SEEG)	Manufacture and sale of electronic devices	100.0
	Samsung Electronics Israel Ltd. (SEIL)	Marketing	100.0
	Samsung Electronics Tunisia S.A.R.L (SETN)	Marketing	100.0
	Samsung Electronics Pakistan(Private) Ltd. (SEPAK)	Marketing	100.0
	Samsung Electronics Middle East and North Africa (SEMENA)	Management of overseas subsidiaries	100.0
	Samsung Electronics Saudi Arabia Ltd. (SESAR)	Sale of electronic devices	100.0
	Samsung Semiconductor Israel R&D Center, Ltd. (SIRC)	R&D	100.0
	Corephotonics Ltd.	R&D	100.0
	Samsung Electronics South Africa(Pty) Ltd. (SSA)	Sale of electronic devices	100.0
	Samsung Electronics South Africa Production (pty) Ltd. (SSAP)	Manufacture of TV and monitors	100.0
	Samsung Electronics West Africa Ltd. (SEWA)	Marketing	100.0
	Samsung Electronics East Africa Ltd. (SEEA)	Marketing	100.0
	Global Symphony Technology Group Private Ltd.	Management of overseas subsidiaries	100.0
	Harman Connected Services Morocco	Connected service provider	100.0
	Harman Industries Holdings Mauritius Ltd.	Management of overseas subsidiaries	100.0
	Red Bend Ltd.	Manufacture of audio products	100.0

(\*) Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Industry	Percentage of ownership (%) <sup>(*)</sup>
Asia (Excluding China)	Samsung Asia Pte. Ltd. (SAPL)	Management of overseas subsidiaries	100.0
	Samsung Electronics Singapore Pte. Ltd. (SESP)	Sale of electronic devices	100.0
	Samsung Malaysia Electronics (SME) Sdn. Bhd. (SME)	Sale of electronic devices	100.0
	Samsung Electronics Display (M) Sdn. Bhd. (SDMA)	Manufacture of electronic devices	100.0
	Samsung Electronics (M) Sdn. Bhd. (SEMA)	Manufacture of home appliances	100.0
	Samsung Vina Electronics Co., Ltd. (SAVINA)	Sale of electronic devices	100.0
	Samsung Electronics Vietnam Co., Ltd. (SEV)	Manufacture of electronic devices	100.0
	Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	Manufacture of communication equipment	100.0
	Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	Manufacture and sale of electronic devices	100.0
	Samsung Display Vietnam Co., Ltd. (SDV)	Manufacture of display panels	100.0
	PT Samsung Electronics Indonesia (SEIN)	Manufacture and sale of electronic devices	100.0
	PT Samsung Telecommunications Indonesia (STIN)	Sale of electronic devices and services	100.0
	Thai Samsung Electronics Co., Ltd. (TSE)	Manufacture and sale of electronic devices	91.8
	Laos Samsung Electronics Sole Co., Ltd (LSE)	Marketing	100.0
	Samsung Electronics Philippines Corporation (SEPCO)	Sale of electronic devices	100.0
	Samsung Electronics Australia Pty. Ltd. (SEAU)	Sale of electronic devices	100.0
	Samsung Electronics New Zealand Limited (SENZ)	Sale of electronic devices	100.0
	Samsung India Electronics Private Ltd. (SIEL)	Manufacture and sale of electronic devices	100.0
	Red Brick Lane Marketing Solutions Pvt. Ltd.	Marketing	100.0
	Samsung Display Noida Private Limited (SDN)	Manufacture of display panels	100.0
	Samsung R&D Institute India-Bangalore Private Limited (SRI-Bangalore)	R&D	100.0
	Samsung R&D Institute BanglaDesh Limited (SRBD)	R&D	100.0
	Samsung Nepal Services Pvt, Ltd (SNSL)	Services	100.0
	Samsung Japan Corporation (SJC)	Sale of semiconductor and display panels	100.0
	Samsung R&D Institute Japan Co. Ltd. (SRJ)	R&D	100.0
	Samsung Electronics Japan Co., Ltd. (SEJ)	Sale of electronic devices	100.0
	Harman Connected Services Corp. India Pvt. Ltd.	Connected service provider	100.0
	Harman International (India) Private Limited	Sale of audio products, R&D	100.0
	Harman International Industries PTY Ltd.	Management of overseas subsidiaries	100.0
	Harman International (Thailand) Co., Ltd.	Manufacturing and sale of audio products	100.0
	Harman International Japan Co., Ltd.	Sale of audio products, R&D	100.0
	Harman Singapore Pte. Ltd.	Sale of audio products	100.0

<sup>(\*)</sup> Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Industry	Percentage of ownership (%) <sup>(*)</sup>
China	Samsung (CHINA) Investment Co., Ltd. (SCIC)	Sale of electronic devices	100.0
	Samsung Electronics Hong Kong Co., Ltd. (SEHK)	Sale of electronic devices	100.0
	Samsung Electronics Taiwan Co., Ltd. (SET)	Sale of electronic devices	100.0
	Suzhou Samsung Electronics Co., Ltd. (SSEC)	Manufacture of home appliances	88.3
	Samsung Suzhou Electronics Export Co., Ltd. (SSEC-E)	Manufacture of home appliances	100.0
	Samsung Electronics Suzhou Computer Co., Ltd. (SESC)	R&D	100.0
	Tianjin Samsung Telecom Technology Co., Ltd. (TSTC)	Manufacture of communication equipment	90.0
	Beijing Samsung Telecom R&D Center (SRC-Beijing)	R&D	100.0
	Samsung Electronics China R&D Center (SRC-Nanjing)	R&D	100.0
	Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou)	R&D	100.0
	Samsung R&D Institute China-Shenzhen (SRC-Shenzhen)	R&D	100.0
	Shanghai Samsung Semiconductor Co., Ltd. (SSS)	Sale of semiconductor and display panels	100.0
	Samsung (China) Semiconductor Co., Ltd. (SCS)	Manufacture of semiconductors	100.0
	Samsung SemiConductor Xian Co., Ltd. (SSCX)	Sale of semiconductor and display panels	100.0
	Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS)	Toll processing of semiconductor	100.0
	Tianjin Samsung LED Co., Ltd. (TSLED)	Manufacture of LED	100.0
	Samsung Semiconductor (China) R&D Co., Ltd. (SSCR)	R&D	100.0
	Samsung Display Dongguan Co., Ltd. (SDD)	Manufacture of display panels	100.0
	Samsung Display Tianjin Co., Ltd. (SDT)	Manufacture of display panels	95.0
	SEMES (XIAN) Co., Ltd.	Semiconductor equipment services	100.0
	Samsung Semiconductor Investment L.P.I	Investment in new technology and venture firm	99.0
	Harman (China) Technologies Co., Ltd.	Manufacture of audio products	100.0
	Harman (Suzhou) Audio and Infotainment Systems Co., Ltd.	Sale of audio products	100.0
	Harman Automotive Electronic Systems (Suzhou) Co., Ltd.	Manufacture of audio products, R&D	100.0
	Harman Commercial (Shanghai) Co., Ltd.	Sale of audio products	100.0
	Harman Connected Services Solutions (Chengdu) Co., Ltd.	Connected Service Provider	100.0
	Harman Holding Limited	Sale of audio products	100.0
	Harman International (China) Holdings Co., Ltd.	Sale of audio products, R&D	100.0
	Harman Technology (Shenzhen) Co., Ltd.	Sale of audio products, R&D	100.0

<sup>(\*)</sup> Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.

Region	Subsidiaries	Industry	Percentage of ownership (%) <sup>(*)</sup>
Domestic	Samsung Display Co., Ltd.	Manufacture and sale of display panels	84.8
	SU Materials Co., Ltd.	Manufacture of display components	50.0
	STECO Co., Ltd.	Manufacture of semiconductor components	70.0
	SEMES Co., Ltd.	Manufacture and sale of semiconductor/FPD	91.5
	Samsung Electronics Service Co., Ltd.	Repair services for electronic devices	99.3
	Samsung Electronics Service Customer Satisfaction Co., Ltd.	Call center for electronic device repair services	100.0
	Samsung Electronics Sales Co., Ltd.	Sale of electronic devices	100.0
	Samsung Electronics Logitech Co., Ltd.	General logistics agency	100.0
	Samsung Medison Co., Ltd.	Manufacture and sale of medical equipment	68.5
	Stellar Forest Co., Ltd.	Manufacture and processing of food products	100.0
	Mirero System Co., Ltd.	Development and supply of semiconductor process defect and quality control software	99.9
	Harman International Korea, Co., Ltd.	Software development and supply	100.0
	Rainbow Robotics Co., Ltd.	Manufacture and sale of robots and robot parts	35.0
	Samsung Venture Capital Union #21	Venture capital investment fund	99.0
	Samsung Venture Capital Union #22	Venture capital investment fund	99.0
	Samsung Venture Capital Union #26	Venture capital investment fund	99.0
	Samsung Venture Capital Union #28	Venture capital investment fund	99.0
	Samsung Venture Capital Union #32	Venture capital investment fund	99.0
	Samsung Venture Capital Union #33	Venture capital investment fund	99.0
	Samsung Venture Capital Union #37	Venture capital investment fund	99.0
	Samsung Venture Capital Union #42	Venture capital investment fund	99.0
	Samsung Venture Capital Union #43	Venture capital investment fund	99.0
	Samsung Venture Capital Union #45	Venture capital investment fund	99.0
	Samsung Venture Capital Union #52	Venture capital investment fund	99.0
	Samsung Venture Capital Union #55	Venture capital investment fund	99.0
	Samsung Venture Capital Union #56	Venture capital investment fund	99.0
	Samsung Venture Capital Union #57	Venture capital investment fund	99.0
	Samsung Venture Capital Union #62	Venture capital investment fund	99.0
	Samsung Venture Capital Union #67	Venture capital investment fund	99.0
	Growth Type Private Equity Trust Specialized In Semiconductors	Investment in semiconductor industry	66.7
	System LSI Mutual Benefit Private Equity Trust	Investment in semiconductor industry	62.5
	Semiconductor Ecosystem General Private Equity Trust	Investment in semiconductor industry	66.7

<sup>(\*)</sup> Ownership represents the Company's ownership of the voting rights in each entity, including subsidiaries' ownerships.



(B) Transactions with related parties

Transactions with related parties for the three-month periods ended March 31, 2025 and 2024 are as follows:

		2025			
		Sales and other	Disposal of non-current assets	Purchases and other	Purchase of non-current assets
(In millions of Korean won)	Name of company <sup>(*)</sup>				
Subsidiaries	Samsung Display Co., Ltd.	120,409	-	363,559	-
	Samsung Electronics America, Inc. (SEA)	7,934,301	-	80,878	-
	Samsung Asia Pte. Ltd. (SAPL)	3	-	9,081	-
	Samsung Austin Semiconductor LLC. (SAS)	2,663	-	1,260,284	-
	Harman and its subsidiaries <sup>(*)</sup>	-	-	14,710	-
	Samsung (China) Semiconductor Co., Ltd. (SCS)	807	6,869	2,244,357	5,551
	Samsung Semiconductor, Inc. (SSI)	10,383,038	-	246,479	-
	Samsung (CHINA) Investment Co., Ltd. (SCIC)	540,924	-	2,678	-
	Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	939,412	253	7,064,656	150
	Samsung India Electronics Private Ltd. (SIEL)	861,362	-	1,904,769	-
	Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	-	-	-	-
	Samsung Electronics Vietnam Co., Ltd. (SEV)	485,966	-	4,275,336	-
	Samsung Display Vietnam Co., Ltd. (SDV)	313,051	-	-	-
	Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	198,247	225	1,764,272	-
	Samsung Eletronica da Amazonia Ltda. (SEDA)	449,741	-	4,255	-
	Shanghai Samsung Semiconductor Co., Ltd. (SSS)	5,827,557	-	-	-
	Samsung Electronics (UK) Ltd. (SEUK)	730,581	-	23,326	-
	Samsung Electronics Europe Logistics B.V. (SELS)	1,753,019	-	2,614	-
	Samsung International, Inc. (SII)	92,650	-	1,756,620	-
	Samsung Electronics Mexico S.A. De C.V. (SEM)	892,125	-	2,819	-
	Samsung Electronics GmbH (SEG)	1,094,431	-	1,710	-
	Thai Samsung Electronics Co., Ltd. (TSE)	1,266,370	-	661,914	-
	SEMES Co., Ltd.	2,818	-	454,725	-
	Samsung Electronics Benelux B.V. (SEBN)	185,358	-	246	-
	Samsung Japan Corporation (SJC)	613,063	-	31,074	-
	Other	17,107,096	592	3,401,026	-
	<b>Total</b>	<b>51,794,992</b>	<b>7,939</b>	<b>25,571,388</b>	<b>5,701</b>
Associates and joint ventures	Samsung SDS Co., Ltd	58,570	61	488,392	69,993
	Samsung Electro-Mechanics Co., Ltd	33,702	-	182,741	-
	Samsung SDI Co., Ltd	27,596	-	85,348	10,874
	Cheil Worldwide Inc.	36,277	-	184,526	989
	Other	215,162	124	150,358	2,547
	<b>Total</b>	<b>371,307</b>	<b>185</b>	<b>1,091,365</b>	<b>84,403</b>
Other related parties <sup>(*)</sup>	Samsung C&T Co., Ltd.	263	-	11,457	977,947
	Other	150,141	-	180,528	24,348
	<b>Total</b>	<b>150,404</b>	<b>-</b>	<b>191,985</b>	<b>1,002,295</b>
Other	Samsung E&A Co., Ltd	938	-	941	575,027
	S-1 Corporation	4,217	-	107,470	9,023
	Other	52,115	-	27,153	232,445
	<b>Total</b>	<b>57,270</b>	<b>-</b>	<b>135,564</b>	<b>816,495</b>

(\*)1 Transactions with separate entities that are related parties of the Company.

(\*)2 Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries.

(\*)3 Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

		2024			
(In millions of Korean won)	Name of company <sup>(*)</sup>	Disposal of		Purchase of	
		Sales and other	non- current assets	Purchases and other	non- current assets
Subsidiaries	Samsung Display Co., Ltd.	5,751,594	-	416,024	-
	Samsung Electronics America, Inc. (SEA)	7,779,844	-	55,726	-
	Samsung Asia Pte. Ltd. (SAPL)	1	-	3,463	-
	Samsung Austin Semiconductor LLC. (SAS)	17	-	1,047,408	-
	Harman and its subsidiaries <sup>(*)</sup>	-	-	12,797	-
	Samsung (China) Semiconductor Co., Ltd. (SCS)	95,163	8,022	3,062,665	276
	Samsung Semiconductor, Inc. (SSI)	6,333,302	-	212,593	-
	Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	797,606	-	7,557,636	2,173
	Samsung (CHINA) Investment Co., Ltd. (SCIC)	1,567,406	-	1,680	-
	Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	-	-	-	-
	Samsung India Electronics Private Ltd. (SIEL)	883,124	-	1,584,965	-
	Samsung Electronics Vietnam Co., Ltd. (SEV)	445,343	-	3,811,160	132
	Shanghai Samsung Semiconductor Co., Ltd. (SSS)	7,166,624	-	-	-
	Samsung Display Vietnam Co., Ltd. (SDV)	282,979	-	-	-
	Samsung Elettronica da Amazonia Ltda. (SEDA)	1,097,478	-	2,518	-
	Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	191,157	-	1,415,650	-
	Thai Samsung Electronics Co., Ltd. (TSE)	546,129	-	556,164	-
	Samsung Electronics (UK) Ltd. (SEUK)	455,976	-	28,141	-
	Samsung Electronics Mexico S.A. De C.V. (SEM)	877,062	-	2,946	-
	Samsung Electronics Europe Logistics B.V. (SELS)	1,465,464	-	420	-
	Samsung Electronics Taiwan Co., Ltd. (SET)	1,268,209	-	1,011	-
	Samsung International, Inc. (SII)	77,033	1,753	1,621,858	-
	Samsung Electronics GmbH (SEG)	1,095,509	-	1,448	-
	SEMES Co., Ltd.	2,752	-	510,256	-
	Samsung Electronics Benelux B.V. (SEBN)	316,092	-	221	-
	Other	14,177,349	6,469	3,388,017	2,610
	<b>Total</b>	52,673,213	16,244	25,294,767	5,191
Associates and joint ventures	Samsung SDS Co., Ltd.	63,611	-	426,809	56,161
	Samsung Electro-Mechanics Co., Ltd.	26,334	-	224,751	-
	Samsung SDI Co., Ltd.	27,414	-	84,918	8,555
	Cheil Worldwide Inc.	32,883	-	213,706	500
	Other	171,073	122	216,700	1,326
	<b>Total</b>	321,315	122	1,166,884	66,542
Other related parties <sup>(*)</sup>	Samsung C&T Co., Ltd.	5,638	-	25,941	1,069,473
	Other	126,490	-	178,474	11,483
	<b>Total</b>	132,128	-	204,415	1,080,956
Other	Samsung E&A Co., Ltd	97	-	15,634	425,183
	S-1 Corporation	855	-	109,196	5,275
	Other	50,183	-	39,240	183,624
	<b>Total</b>	51,135	-	164,070	614,082

(\*)1 Transactions with separate entities that are related parties of the Company.

(\*)2 Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries.

(\*)3 Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(C) Balances of receivables and payables

Balances of receivables and payables arising from transactions with related parties as of March 31, 2025 and December 31, 2024 are as follows:

(In millions of Korean won)	Name of company <sup>(*1)</sup>	March 31, 2025	
		Receivables and other <sup>(*2)</sup>	Payables and other <sup>(*3)</sup>
	Samsung Display Co., Ltd.	76,031	116,354
	Samsung Electronics America, Inc. (SEA)	4,681,961	457,869
	Samsung Asia Pte. Ltd. (SAPL)	344	2
	Samsung Austin Semiconductor LLC. (SAS)	2,548	538,522
	Harman and its subsidiaries <sup>(*4)</sup>	8,081	4,478
	Samsung (China) Semiconductor Co., Ltd. (SCS)	48,045	836,225
	Samsung Semiconductor, Inc. (SSI)	7,801,786	296,605
	Samsung (CHINA) Investment Co., Ltd. (SCIC)	182,631	1,573
	Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	1,037,303	4,142,787
	Samsung India Electronics Private Ltd. (SIEL)	960,629	881,766
	Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	-	-
	Samsung Electronics Vietnam Co., Ltd. (SEV)	555,552	2,447,447
	Samsung Display Vietnam Co., Ltd. (SDV)	112,092	-
Subsidiaries	Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	127,118	717,392
	Samsung Eletronica da Amazonia Ltda. (SEDA)	360,228	1,161
	Shanghai Samsung Semiconductor Co., Ltd. (SSS)	4,081,710	1,879
	Samsung Electronics (UK) Ltd. (SEUK)	122,756	24,101
	Samsung Electronics Europe Logistics B.V. (SELS)	752,026	854
	Samsung International, Inc. (SII)	96,332	299,021
	Samsung Electronics Mexico S.A. De C.V. (SEM)	412,812	4,365
	Samsung Electronics GmbH (SEG)	162,234	7,651
	Thai Samsung Electronics Co., Ltd. (TSE)	322,909	275,904
	SEMES Co., Ltd.	46,115	692,638
	Samsung Electronics Benelux B.V. (SEBN)	30,828	3,082
	Samsung Japan Corporation (SJC)	540,463	102,407
	Other	8,523,049	2,052,896
	<b>Total</b>	<b>31,045,583</b>	<b>13,906,979</b>

(\*1) Receivables and payables with separate entities that are related parties of the Company

(\*2) The Company has not recognized bad debt allowance in relation to the receivables due from subsidiaries as of March 31, 2025.

(\*3) Payables and others include lease liabilities.

(\*4) Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries.

(In millions of Korean won)	Name of company <sup>(*)</sup>	March 31, 2025	
		Receivables and other	Payables and other <sup>(*)</sup>
Associates and joint ventures	Samsung SDS Co., Ltd.	9,446	567,564
	Samsung Electro-Mechanics Co., Ltd.	462	109,508
	Samsung SDI Co., Ltd.	113,567	49,551
	Cheil Worldwide Inc.	9	296,399
	Other	171,658	109,760
	<b>Total</b>	295,142	1,132,782
Other related parties	Samsung C&T Corporation	181,037	1,195,528
	Other	18,465	209,756
	<b>Total</b>	199,502	1,405,284
Other <sup>(*)</sup>	Samsung Engineering Co., Ltd.	1,063	1,624,826
	S-1 Corporation	3,400	40,718
	Other	2,551	609,725
	<b>Total</b>	7,014	2,275,269

<sup>(\*)</sup> Receivables and payables with separate entities that are related parties of the Company.

<sup>(\*)</sup> Payables and others include lease liabilities.

<sup>(\*)</sup> Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(In millions of  
Korean won)

		December 31, 2024	
Name of company <sup>(*)</sup>		Receivables and other <sup>(*)</sup>	Payables and other <sup>(*)</sup>
Subsidiaries	Samsung Display Co., Ltd.	64,853	218,158
	Samsung Electronics America, Inc. (SEA)	4,440,842	637,861
	Samsung Asia Pte. Ltd. (SAPL)	1,817	1,301
	Samsung Austin Semiconductor LLC. (SAS)	7,277	584,322
	Samsung Semiconductor, Inc. (SSI)	11,910,574	340,273
	Harman and its subsidiaries <sup>(*)</sup>	8,749	20,906
	Samsung (China) Semiconductor Co., Ltd. (SCS)	59,706	970,717
	Samsung (CHINA) Investment Co., Ltd. (SCIC)	190,954	363,362
	Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	833,617	2,620,106
	Samsung India Electronics Private Ltd. (SIEL)	696,280	430,196
	Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	3,256	-
	Samsung Electronics Vietnam Co., Ltd. (SEV)	513,163	2,010,992
	Samsung Display Vietnam Co., Ltd. (SDV)	97,479	362
	Shanghai Samsung Semiconductor Co., Ltd. (SSS)	4,859,048	82
	Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	137,456	620,008
	Samsung Eletronica da Amazonia Ltda. (SEDA)	271,048	9,157
	Samsung Electronics (UK) Ltd. (SEUK)	93,808	30,843
	Thai Samsung Electronics Co., Ltd. (TSE)	98,027	262,109
	Samsung International, Inc. (SII)	167,656	212,535
	Samsung Electronics Taiwan Co., Ltd. (SET)	388,807	69,362
	SEMES Co., Ltd.	81,448	699,286
	Samsung Electronics GmbH (SEG)	16,599	95,727
	Samsung Electronics Mexico S.A. De C.V. (SEM)	88,572	2,064
	Samsung Electronics Europe Logistics B.V. (SELS)	424,204	244,987
	Samsung Electronics Benelux B.V. (SEBN)	23,398	7,495
	Other	6,759,498	3,156,728
<b>Total</b>		<b>32,238,136</b>	<b>13,608,939</b>

(\*) Transactions with separate entities that are related parties of the Company.

(\*) The Company has not recognized bad debt allowance in relation to the receivables due from subsidiaries as of December 31, 2024.

(\*) Payables and others include lease liabilities.

(\*) Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries.

(In millions of Korean won)	Name of company <sup>(*)</sup>	December 31, 2024	
		Receivables and other	Payables and other <sup>(*)</sup>
Associates and joint ventures	Samsung SDS Co., Ltd.	23,133	569,158
	Samsung Electro-Mechanics Co., Ltd.	4,039	66,901
	Samsung SDI Co., Ltd.	114,061	33,653
	Cheil Worldwide Inc.	69	425,271
	Other	156,624	197,504
	<b>Total</b>	<b>297,926</b>	<b>1,292,487</b>
Other related parties	Samsung C&T Corporation	181,822	1,781,431
	Other	14,747	179,533
	<b>Total</b>	<b>196,569</b>	<b>1,960,964</b>
Other <sup>(*)</sup>	Samsung Engineering Co., Ltd.	475	1,870,246
	S-1 Corporation	2,330	50,798
	Other	3,489	599,373
	<b>Total</b>	<b>6,294</b>	<b>2,520,417</b>

(\*) Transactions with separate entities that are related parties of the Company.

(\*) Payables and others include lease liabilities.

(\*) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(D) For the three-month periods ended March 31, 2025 and 2024, the Company had no lending to its subsidiaries. The Company had no additional borrowings from its subsidiaries during the three-month periods ended March 31, 2025 and 2024. In addition, the Company had no lending to or borrowings from associates and joint ventures during the three-month periods ended March 31, 2025 and 2024.

(E) For the three-month periods ended March 31, 2025 and 2024, the Company invested ₩300,511 million and ₩3,592 million, respectively, in subsidiaries, and has made capital recovery of ₩94 million and ₩115,776 million from its investments in subsidiaries, respectively. In addition, the Company had no additional investments in associates and joint ventures and no recovery from its associates and joint ventures for the three-month periods ended March 31, 2025 and 2024.

(F) For the three-month periods ended March 31, 2025 and 2024, the Company declared dividends of ₩400,702 million and ₩412,172 million, respectively, to related parties. As of March 31, 2025, the dividends payable to related parties amount to ₩400,702 million. In addition, for the three-month periods ended March 31, 2025 and 2024, the Company declared dividends of ₩32,235 million and ₩32,058 million, respectively, to the entities that are not related parties of the Company in accordance with *Korean IFRS 1024*, but belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act. As of March 31, 2025, there is ₩32,235 million dividends payable to the entities belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act.

(G) For the three-month periods ended March 31, 2025 and 2024, the Company entered into lease agreements with its related parties amounting to ₩84,151 million and ₩16,025 million, respectively, and the lease payments made to the related parties are ₩12,715 million and ₩16,006 million, respectively.

(H) As of March 31, 2025, the Company provides guarantees in relation to borrowings of the related parties (refer to Note 13)

(I) Key management compensation

(J) The compensation paid or payable to key management (executive directors) for their services for the three-month periods ended March 31, 2025 and 2024 consists of:

(In millions of Korean won)	2025	2024
Short-term employee benefits	2,550	3,017
Post-employment benefits	600	175
Other long-term employee benefits	1,799	2,289

## 6. Dividends

### 6-1. Matters concerning the company's dividend policy

We continue to work to enhance shareholder value alongside our efforts to strengthen competitiveness of our products and businesses. In accordance with the previous shareholder return policy covering FY2021 to FY2023, we distributed an annual return of 9.8 trillion won in regular dividends as a part of a total return of 50% of free cash flow. In January 2024, we announced our shareholder return policy for FY2024 to FY2026, which maintains the terms of the previous shareholder return policy: Samsung Electronics will pay an annual regular dividend of 9.8 trillion won as a part of total shareholder returns of 50% of the free cash flow for the period covering FY2024 to FY2026. At the close of each year, we will consider executing an early return of capital beyond regular dividends if we forecast there is potential for a significant surplus. Furthermore, the Company will consider implementing a new policy flexibly before the expiration of the policy for FY2024 to FY2026 in consideration of M&A activities and cash positions.

In November 2024, the Company announced a plan to repurchase 10 trillion worth of shares over the following 12-month period. To enhance shareholder value, the Company repurchased 3 trillion won out of the 10 trillion won worth of shares and then cancelled the acquired shares in February 2025. In February 2025, the Company announced its plan to repurchase approximately 3 trillion won worth of shares out of the remaining 7 trillion won to enhance shareholder value and for use in employee compensation. The planned completion date for the repurchases is May 2025.

### 6-2. Provision of predictability on dividends

#### A. Implementation of improvement measures for dividend procedure under the Articles of Incorporation

Category	Current status and plan
Decision-making body on dividend amount under the Articles of Incorporation	- Quarterly dividends are determined by the Board of Directors, and year-end dividends are determined at the AGM
Possibility of setting the dividend record date after determining the dividend amount under the articles of incorporation	- Not possible
Future plans for implementing improvement measures for the dividend procedure	- Under review

#### B. Confirmation date of year-end dividend amount and designation of dividend record date

Category	Fiscal year-end month	Distribution	Confirmation date of dividend amount	Dividend record date	Provision of dividend predictability	Remarks
Year-end dividend	December 2024	O	March 19, 2025	December 31, 2024	X	-
Year-end dividend	December 2023	O	March 20, 2024	December 31, 2023	X	-
Year-end dividend	December 2022	O	March 15, 2023	December 31, 2022	X	-

The Company announced a three-year shareholder return policy (2024–2026) that distributes the same amount of quarterly dividends (around 9.8 trillion won) each year, providing predictability to shareholders

### 6-3. Other notes

#### Key dividend indices

Classification		1Q25	2024	2023
Par value per share (KRW)		100	100	100
Consolidated net profit (KRW mil)		8,028,407	33,621,363	14,473,401
Separate net profit (KRW mil)		6,387,197	23,582,565	25,397,099
EPS (KRW)		1,192	4,950	2,131
Total cash dividend (KRW mil)		2,447,284	9,810,767	9,809,438
Total stock dividend (KRW mil)		-	-	-
Dividend payout ratio (%)		30.5	29.2	67.8
Cash dividend yield (%)	Common	0.6	2.7	1.9
	Preferred	0.7	3.3	2.4
Stock dividend yield (%)	Common	-	-	-
	Preferred	-	-	-
Cash dividend per share (KRW)	Common	365	1,446	1,444
	Preferred	365	1,447	1,445
Stock dividend per share (share)	Common	-	-	-
	Preferred	-	-	-

EPS is basic earnings per common share on a consolidated basis. For further information relating to the calculation of basic EPS, see Earnings Per Share in 「3 Note to Consolidated Financial Statements」 in 「III. Financial Affairs」

For details on the total amount of cash dividends, please refer to 「Retained Earnings」 in 「3 Note to Consolidated Financial Statements」 in 「III. Financial Affairs」

The quarterly dividends in 2025 were KRW 2,447,284 million (KRW 365 per share) in the first quarter.

The quarterly dividends in 2024 were KRW 2,452,154million (KRW 361 per share) in the first quarter, KRW 2,452,154 million (KRW 361 per share) in the second quarter, and KRW 2,452,154 million (KRW 361 per share) in the third quarter.

The quarterly dividends in 2023 were 2,452,154 million (KRW 361 per share) in the first quarter, 2,452,154 million (KRW 361 per share) in the second quarter, and 2,452,154 million (KRW 361 per share) in the third quarter.

The history of dividend payouts is as follows:

Number of continuous dividend payments		Average dividend yield	
Quarterly/biannual dividends	End-year dividends	Past 3 years	Past 5 years
43	44	2.4%	2.6%

The number of continuous dividend payments includes the quarterly dividend for the quarter and the end-year dividend for the recent business year. Continuous payment of the end-year dividend started in 1981, biannual dividend in 1999, and quarterly dividend in 2017.

The average dividend yield is based on common shares. The average dividend yield of preferred shares for the past 3 years and past 5 years are 2.8% and 2.9% respectively.

The “past 3 years” refers to the period from 2022 through 2024, and the “past 5 years” refers to the period from 2020 through 2024.

For the dividend yield of 1Q25, please refer to the table [Key dividend indices] above (common shares at 0.6%, preferred shares at 0.7%).



## 7. Matters about financing through the issuance of securities

### 7-1 Financing through the issuance of securities

#### [Issuance of equity securities]

N/A

#### [Issuance of debt securities]

#### A. List of issued debt securities

(As of March 31, 2025)

(KRW mil, %)

Issuing company	Type of securities	Issuance method	Date of Issuance	Total nominal amount	Interest rate	Rating (rating institution)	Maturity date	Payment status	Management company
Samsung Electronics	Corporate bonds	Public offering	Oct 2, 1997	146,650	7.7	Aa2(Moody's), AA-(S&P)	Oct 1, 2027	Partial redemption	Goldman Sachs et al.
Harman International Industries, Inc	Corporate bonds	Public offering	May 11, 2015	586,600	4.2	A (S&P)	May 15, 2025	Unredeemed	J.P. Morgan et al.
Total	-	-	-	733,250	-	-	-	-	-

#### B. Commercial Paper Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 10 days	Above 10 days / under 30 days	Above 30 days / under 90 days	Above 90 days / under 180 days	Above 180 days / under 1 year	Above 1 year / under 2 years	Above 2 years / under 3 years	Above 3 years	Total
Unredeemed balance	Public	-	-	-	-	-	-	-	-	-
	Private	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-

### C. Short-term Bond Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 10 days	Above 10 days / under 30 days	Above 30 days / under 90 days	Above 90 days / under 180 days	Above 180 days / under 1 year	Total	Issue limit	Balance limit
Unredeemed balance	Public	-	-	-	-	-	-	-	-
	Private	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-

### D. Corporate Bond Unredeemed Balance

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 1 year	Above 1 year / under 2 years	Above 2 years / under 3 years	Above 3 years / under 4 years	Above 4 years / under 5 years	Above 5 years / under 10 years	Above 10 years	Total
Unredeemed balance	Public	593,933	7,333	7,332	-	-	-	-	608,598
	Private	-	-	-	-	-	-	-	-
	Total	593,933	7,333	7,332	-	-	-	-	608,598

※ Based on consolidated financial statements

※ The exchange rate as of the reporting date has been applied.

### - Corporate Bond Unredeemed Balance (Samsung Electronics)

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 1 year	Above 1 year / under 2 years	Above 2 years / under 3 years	Above 3 years / under 4 years	Above 4 years / under 5 years	Above 5 years / under 10 years	Above 10 years	Total
Unredeemed balance	Public	7,333	7,333	7,332	-	-	-	-	21,998
	Total	7,333	7,333	7,332	-	-	-	-	21,998

※ The exchange rate as of the reporting date has been applied.

- Corporate Bond Unredeemed Balance (Harman International Industries, Inc.)

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 1 year	Above 1 year / under 2 years	Above 2 years / under 3 years	Above 3 years / under 4 years	Above 4 years / under 5 years	Above 5 years / under 10 years	Above 10 years	Total
Unredeemed balance	Public	586,600	-	-	-	-	-	-	586,600
	Total	586,600	-	-	-	-	-	-	586,600

※ The exchange rate as of the reporting date has been applied.

## E. Hybrid Bond Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 1 year	Above 1 year / under 5 years	Above 5 years / under 10 years	Above 10 years / under 15 years	Above 15 years / under 20 years	Above 20 years / under 30 years	Above 30 years	Total
Unredeemed balance	Public	-	-	-	-	-	-	-	-
	Private	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-

## F. Contingent Convertible Bond Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2025)

(KRW mil)

Maturity		Under 1 year	Above 1 year / under 2 years	Above 2 years / under 3 years	Above 3 years / under 4 years	Above 4 years / under 5 years	Above 5 years / under 10 years	Above 10 years / under 20 years	Above 20 years / under 30 years	Above 30 years	Total
Unredeemed balance	Public	-	-	-	-	-	-	-	-	-	-
	Private	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-

## G. Details and Compliance of the Bond Management Contract (Samsung Electronics)

(Reporting Date: March 31, 2025)

(KRW mil, %)

Name of security	Date of issuance	Maturity date	Issued amount	Settlement date of bond management contract	Debenture management company
US\$ 100,000,000 7.7% debenture	Oct 2, 1997	Oct 1, 2027	146,650	Oct 2, 1997	The Bank of New York Mellon Trust Company, N.A.

(Reporting Date: March 31, 2025)

Financial ratios	Contract details	Not applicable
	Implementation status	Not applicable
Constraint on collateral	Contract details	Less than 10% of net tangible assets
	Implementation status	Compliant (there is no collateral for the relevant assets)
Constraint on disposal of assets	Contract details	Certain requirements, such as transfer of obligations on the bond, must be satisfied to dispose all or most of an asset
	Implementation status	Compliant (disposed assets accounted for 0.0% of the total assets during 2024)
Constraint on governance	Contract Details	Not applicable
	Implementation status	Not applicable
Submission of implementation report	Implementation status	Not applicable

- ※ The exchange rate as of the base date has been applied.
- ※ The date of the bond management contract was signed on the same day as the Fiscal Agency Agreement; accordingly, the Bank of New York Mellon Trust Company, N.A. is under the authority of the Fiscal Agent.
- ※ The net tangible assets subjected to the limitation of collaterals are production facilities and stocks owned by the Company.
- ※ Implementation status base date is the most recent reporting date of financial statements on which external auditor's opinion has been expressed.
- ※ The constraint on governance is as of the reporting date.

### 7-2 Use of funds financed through the issuance of securities

Not applicable

## 8. Other financial information

### A. Restatement of financial statements and other matters to note

- (1) Restatement of financial statements: Not Applicable
- (2) Acquisition, divestment, asset sales, and sale of business

#### [Equity Acquisition of eMagin Corporation]

On October 18, 2023, Samsung Display America Holdings, Inc.(SDAH), the company's subsidiary, acquired 100% ownership of eMagin Corporation (CEO: Andrew Sculley, Location: New York, USA) to secure technological competitiveness in micodisplay field.

#### [Equity Sale of DOWOOINSYS]

On January 31, 2024, Samsung Display Co., Ltd., the company's subsidiary, sold 56.8% of equity stake in DOWOOINSYS held by Samsung Venture Investment Co. No. 29 and No.48 to three companies including Newpower Co., Ltd., to focus its capabilities on main business and R&D amid increasingly intensified competition in OLED industry.

#### [Equity Acquisition of Rainbow Robotics]

On December 31, 2024, the Company decided to exercise call options to acquire 3.94 million shares (20.3%) of Rainbow Robotics from its largest shareholder upon the Board's resolution and the relevant procedure has been completed on March 12, 2025. The Company will prepare for cutting-edge future robot development in a swift and systematic manner by combining the Company's technology in AI and software with Rainbow Robotics' in robot.

- (3) Information on the accounting treatment of the sales of assets related to asset backed securities and contingent liabilities

#### Accounting Treatment of the sale of assets related to asset backed securities:

- Not applicable

#### Litigation

The Company is involved in various claims, disputes, and investigations conducted by regulatory bodies, which arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, as of the reporting date, the Company believes the outcome will not have a material impact on the financial position of the Company.

#### Debt guarantee

- Domestic: Not applicable

- Overseas:

(USD thousand)

Company	Relationship	Creditor	Guarantee	Transactions			Limit of guarantee
			Expiry date	Beginning of period	Increase/decrease	End of period	
SEA	Subsidiary	BOA etc.	Nov 08, 2025	-	-	-	1,278,000
SEM	Subsidiary	BBVA etc.	Dec 16, 2025	-	-	-	715,000
SAMCOL	Subsidiary	Citibank etc.	Dec 16, 2025	-	-	-	210,000
SEDA	Subsidiary	BRADESCO etc.	Dec 16, 2025	-	-	-	329,000
SECH	Subsidiary	Citibank etc.	Dec 16, 2025	-	-	-	64,000
SEPR	Subsidiary	BBVA etc.	Dec 16, 2025	-	-	-	150,000
SSA	Subsidiary	SCB etc.	Dec 16, 2025	-	-	-	286,000
SEMAG	Subsidiary	SocGen etc.	Dec 16, 2025	-	-	-	46,000
SETK	Subsidiary	BNP etc.	Dec 16, 2025	495,321	-149,623	345,699	947,000
SETK-P	Subsidiary	BNP etc.	Dec 16, 2025	-	-	-	70,000
SECE	Subsidiary	Citibank	Dec 16, 2025	-	-	-	114,000
SEEG	Subsidiary	HSBC	Jun 13, 2025	-	-	-	85,000
SEIN	Subsidiary	BNP etc.	Nov 08, 2025	-	-	-	70,000
SJC	Subsidiary	Mizuho Bank etc.	Dec 16, 2025	-	-	-	820,741
SEUC	Subsidiary	Credit Agricole etc.	Dec 16, 2025	-	-	-	115,000
SEDAM	Subsidiary	Citibank etc.	Dec 16, 2025	-	-	-	537,000
SECA	Subsidiary	BoA	Nov 08, 2025	-	-	-	70,000
SELA	Subsidiary	Citibank	Dec 16, 2025	-	-	-	60,000
SEEH	Subsidiary	HSBC etc.	Dec 16, 2025	-	-	-	938,400
SELV	Subsidiary	Citibank	Dec 16, 2025	-	-	-	10,000
SEIL	Subsidiary	Citibank	Dec 16, 2025	-	-	-	15,600
SAPL	Subsidiary	BOA etc.	Dec 16, 2025	-	-	-	404,000
SAVINA	Subsidiary	HSBC	Jun 13, 2025	-	-	-	51,000
SCIC	Subsidiary	HSBC etc.	Dec 16, 2025	-	-	-	270,000
SESP	Subsidiary	SCB	Nov 08, 2025	-	-	-	30,000
SME	Subsidiary	SCB	Nov 08, 2025	-	-	-	110,000
SAMEX	Subsidiary	Citibank	Dec 16, 2025	-	-	-	5,000
SEASA	Subsidiary	Citibank	Dec 16, 2025	-	-	-	2,000
SSAP	Subsidiary	SCB	Nov 08, 2025	-	-	-	35,000
SEPM	Subsidiary	HSBC	Jun 13, 2025	-	-	-	35,000
SESAR	Subsidiary	HSBC	Jun 13, 2025	-	-	-	20,000
SEUZ	Subsidiary	Citibank	Dec 16, 2025	-	-	-	20,000
AdGear Technologies Inc.	Subsidiary	BOA	Nov 08, 2025	-	-	-	2,000
Harman International Industries, Inc.	Subsidiary	JP Morgan	Jun 13, 2025	-	-	-	100,000
Harman International Japan Co., Ltd.	Subsidiary	MUFG	Nov 08, 2025	-	-	-	25,000
Harman Holding Limited	Subsidiary	HSBC	Jun 13, 2025	-	-	-	30,000
Harman do Brasil Industria Eletronica e Participacoes Ltda.	Subsidiary	SocGen	Nov 08, 2025	-	-	-	15,000
Harman da Amazonia Industria Eletronica e Participacoes Ltda.							
Harman International Industries Limited	Subsidiary	HSBC	Jun 13, 2025	-	-	-	30,000
Total				495,321	-149,623	345,699	8,114,741

※ On a sepearte basis.

※ SEC requires the Board approval for individual guarantees exceeding 2.5% of total equity and the Management Committee's approval for those between 0.1% and/or less than 2.5%.

※ SEC claims fees on the debt guarantees depending on the maturity date of each debt guarantee, general loan interest rate, etc.  
In 2024, the Company claimed approximately USD 2,215,000 in guarantee which has been received in 2025.

Refer to the notes to the consolidated financial statements for the information on contingent liabilities.

#### (4) Other matters requiring attention in relation to the use of the financial statements

##### A. Emphasis of matter and key audit matter in Independent auditor's report

Period	Emphasis of matter	Key audit matter
2025 1Q	N/A	N/A
2024	Not applicable	(Consolidated financial statement) 1. Assessment of depreciation commencement date of assets under construction 2. Accuracy and completeness of sales deduction related to sales promotion activities of products (Separate financial statement) 1. Assessment of depreciation commencement date of assets under construction 2. Accuracy and completeness of sales deduction related to sales promotion activities of products
2023	Not applicable	(Consolidated financial statement) 1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products (Separate financial statement) 1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products

## B. Allowance for bad debt

The allowances for bad debt by account over the past 3 years are as follows:

(KRW mil, %)

Period	Account	Receivables amount	Allowance amount	Allowance
2025 1Q	Trade receivables	45,320,921	454,336	1.0%
	Short-term loans	25,480	238	0.9%
	Other receivables	9,224,037	82,584	0.9%
	Advances	1,405,368	4,940	0.4%
	Trade receivables (long-term)	25,706	-	0.0%
	Other receivables (long-term)	767,749	274	0.0%
	Advances (long-term)	6,131,438	6,320	0.1%
	Long-term loans	143,445	909	0.6%
	Total	63,044,144	549,601	0.9%
2024	Trade receivables	44,044,074	421,001	1.0%
	Short-term loans	119,558	94,051	78.7%
	Other receivables	9,707,716	84,742	0.9%
	Advances	1,366,329	4,573	0.3%
	Trade receivables (long-term)	27,641	-	0.0%
	Other receivables (long-term)	784,030	203	0.0%
	Advances (long-term)	5,997,761	6,802	0.1%
	Long-term loans	141,149	911	0.6%
	Total	62,188,258	612,285	1.0%
2023	Trade receivables	37,002,849	355,456	1.0%
	Short-term loans	21,279	204	1.0%
	Other receivables	6,715,263	82,015	1.2%
	Advances	994,525	3,316	0.3%
	Trade receivables (long-term)	23,889	-	0.0%
	Other receivables (long-term)	759,704	209	0.0%
	Advances (long-term)	4,964,481	9,255	0.2%
	Long-term loans	239,149	77,608	32.5%
	Total	50,721,139	528,063	1.0%

※ Based on consolidated financial statements

※ Receivables amount represents the value after deducting present value discount.



## Allowance for bad debt by year

(KRW mil)

	2025 1Q	2024	2023
1. Allowance for bad debt (beginning balance)	612,285	528,063	406,677
2. Net bad debt expense (① - ②+③)	104,078	-22,558	14,647
① Bad debt expense, etc (Write-off)	4,018	10,834	19,179
② Bad debt recovered	-	-	4
③ Others	100,060	-33,392	-4,528
3. Bad debts expense	41,394	61,664	136,033
4. Allowance for bad debts (Ending balance)	549,601	612,285	528,063

※ Based on consolidated financial statements.

## The guideline for bad debt allowances for trade receivables

### (1) Calculation of bad debt allowance

- Bad debt allowance is calculated using an expected credit loss impairment model which is based on write-off experience rate and future expected bad debt amount.

### (2) Calculation basis of write-off experience rate and future expected bad debt:

- Write-off experience rate for each aging group of receivables is calculated based on the actual rate of credit losses to three-year average receivables balance.
- Future expected bad debt is determined taking into consideration cases of debtor bankruptcy, compulsory execution, death, disappearance, credit information of debtor and forward-looking information.

### [Bad debt allowance by circumstance]

Circumstance	Rate of allowance
Dispute or conflict	25%
Receivable through utilization of third party collection agency	50%
Receivable under litigation	75%
Customer filed or in the process of filing bankruptcy	100%

(3) Instruction: Write-off is recorded when trade receivables contain the following characteristics:

- Objective proof of bad debts, such as bankruptcy, compulsory execution, discontinuance of business, debtor's death or disappearance
- Legal action has failed or the right of collection has been extinguished.
- When the third party collection agency notifies that collection is not possible.
- When the collateral is sold or insurance is received.
- When collection expense exceeds receivables amount.

#### The outstanding period of trade receivables

(Reporting Date: March 31, 2025)

(KRW mil, %)

	Less than 6 months	6 months ~ 1 year	1 year ~ 3 years	More than 3 years	Total
Amount	45,069,555	45,592	119,072	112,408	45,346,627
Ratio	99.4%	0.1%	0.3%	0.2%	100.0%

※ Base on consolidated financial statements

※ Receivables amount represents the value after deducting present value discount.

## C. Inventory

- The inventory status by Division over the last three years is as follows:

(KRW mil, %)

Division	Category	1Q25	2024	2023	Note
DX	Finished goods	7,358,122	7,198,304	7,229,898	
	Work in process	869,305	1,130,657	967,513	
	Raw material	10,584,138	10,352,671	9,608,619	
	Material in transit	1,276,471	1,231,092	1,014,420	
	Total	20,088,036	19,912,724	18,820,450	
DS	Finished goods	5,230,335	5,394,407	6,476,768	
	Work in process	22,103,242	21,091,920	20,961,730	
	Raw material	3,028,178	3,134,003	3,484,046	
	Material in transit	52,752	68,244	76,226	
	Total	30,414,507	29,688,574	30,998,770	
SDC	Finished goods	366,924	458,697	284,394	
	Work in process	394,055	151,553	296,788	
	Raw material	783,716	575,119	564,573	
	Material in transit	25,514	15,672	6,509	
	Total	1,570,209	1,201,041	1,152,264	
Harman	Finished goods	979,572	916,269	725,484	
	Work in process	95,200	108,241	104,514	
	Raw material	717,737	680,564	700,011	
	Material in transit	443,802	401,238	319,785	
	Total	2,236,311	2,106,312	1,849,794	
Total	Finished goods	13,973,334	13,842,276	14,553,014	
	Work in process	23,340,245	22,340,482	22,198,448	
	Raw material	14,444,868	14,146,279	13,697,354	
	Material in transit	1,461,820	1,425,828	1,177,058	
	Total	53,220,267	51,754,865	51,625,874	
Inventory ratio (%) [Inventory ÷ Total Assets] × 100		10.3%	10.1%	11.3%	
Inventory turnover (x) [ Yearly COGS ÷ {(Beginning inventory + Ending inventory)÷2}]		3.9	3.6	3.5	

※ Based on consolidated financial statements

## Inventory counts

### (1) Inspection date

- End of May and November (twice a year)
- For the difference between the inspection date and year-end, the Company verifies receiving and shipping of inventory during the period thereby confirming existence of inventory on the reporting date.

### (2) Inspection method

- Internal warehouse: Closed & entire quantity inspection
- ※ Sample tests on semi-conductor and display panel in the production lines and SVC materials in automated warehouses

- Outside warehouse

Conduct both sample tests and total inspections on third-party inventory and inventory-in-transit by requiring their custodians to submit confirmation documents

- External auditors join and observe the inspection and carry out sample tests to confirm the existence and completeness.

## Inventory aging and valuation

Inventory is recognized at the lower of cost or net realizable value. Inventory as of March 31, 2025 are as follows:

(KRW mil)

Category	Acquisition cost	Inventory valuation reserve	Balance	Note
Finished goods	15,444,441	-1,471,107	13,973,334	-
Work in process	25,947,244	-2,606,999	23,340,245	-
Raw material	15,739,355	-1,294,487	14,444,868	-
Material in transit	1,461,820	-	1,461,820	-
Total	58,592,860	-5,372,593	53,220,267	-

※ Based on consolidated financial statements

## D. Fair value estimation

Refer to 3. Financial Instruments by Category and 25. Financial Risk Management in 『III. Financial Affairs』.

## IV Management Discussion and Analysis

Pursuant to the reporting guidelines set forth by the FSS, the Management Discussion and Analysis section, reported in the full-year business report, is not included in the 1Q, half-year, and 3Q reports.

## V Auditor's Report

### 1. Introduction

Samjong KPMG conducted audit for the year ended December 31, 2023 and 2024 and review for the period ended March 31, 2025. The company received unqualified opinions for the year 2023 and 2024, and the financial statements for the the period ended March 31, 2025 are presented fairly, in all material respects, in accordance with Korean IFRS 1034 Interim Financial Reporting.

All of the Company's subsidiaries received unqualified opinions for the disclosure periods.

Period end	Category	Auditor	Audit Opinion	Reason for Modification	Material Uncertainty Relating To Going Concern	Emphasis of Matter	Key Audit Matter(s)
Mar 31, 2025	Separate	Samjong KPMG	N/A	-	N/A	N/A	N/A
	Consolidated	Samjong KPMG	N/A	-	N/A	N/A	N/A
Dec 31, 2024	Separate	Samjong KPMG	Unqualified	-	N/A	N/A	1. Assessment of depreciation commencement date of assets under construction 2. Accuracy and completeness of sales deduction related to sales promotion activities of products
	Consolidated	Samjong KPMG	Unqualified	-	N/A	N/A	1. Assessment of depreciation commencement date of assets under construction 2. Accuracy and completeness of sales deduction related to sales promotion activities of products
Dec 31, 2023	Separate	Samjong KPMG	Unqualified	-	N/A	N/A	1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products
	Consolidated	Samjong KPMG	Unqualified	-	N/A	N/A	1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products

※ Audit opinion on both separate and consolidated financial statements.

## Audit Contract Description]

(KRW mil)

Fiscal Period	Auditor	Description	Contract		Actual	
			Audit fee	Total Hours	Fee Claimed	Hours spent
Quarter ended Mar 31, 2025	Samjong KPMG	Review of the interim separate/consolidated financial statements - Audit of separate/consolidated financial statements - Audit of separate/consolidated Internal Control over Financial Reporting	8,100	81,000	1,312	13,120
Year ended Dec 31, 2024	Samjong KPMG	- Review of the interim separate/consolidated financial statements - Audit of separate/consolidated financial statements - Audit of separate/consolidated Internal Control over Financial Reporting	7,800	78,000	7,800	76,830
Year ended Dec 31, 2023	Samjong KPMG	- Review of the interim separate/consolidated financial statements - Audit of separate/consolidated financial statements - Audit of separate/consolidated Internal Control over Financial Reporting	7,800	85,700	7,800	85,036

&lt; Review plan for the period ended March 31, 2025&gt;

Review Period		Planned Dates
2025 1Q	Pre-review	Mar 10, 2025 ~ Mar 28, 2025
	Review	Apr 7 2025 ~ May 14 2025

※ Above schedule is for the review of separate and consolidated financial statements

## [Non-Audit Service Contract Description]

(KRW mil)

Fiscal Period	Contract Date	Non-audit Service Description	Period for Service	Compensation	Note
Quarter ended Mar 31, 2025	-	-	-	-	-
Year ended Dec 31, 2024	Feb 2017	Tax advisory services(overseas subsidiaries)	Jan – Jun 2024	43	Samjong KPMG
	Sep 2018	Tax advisory services(overseas subsidiaries)	Jan – May 2024	-	
	May 2019	Tax advisory services(overseas subsidiaries)	Jan – Jun 2024	73	
Year ended Dec 31, 2023	Feb 2017	Tax advisory services(overseas subsidiaries)	Jan – Dec 2023	202	Samjong KPMG
	Sep 2018	Tax advisory services(overseas subsidiaries)	Jan – Dec 2023	27	
	May 2019	Tax advisory services(overseas subsidiaries)	Jan – Dec 2023	79	
	May 2023	ESG certification(domestic subsidiaries)	May – Jul 2023	25	

## [Details of internal audit committee's discussion with Auditors]

No.	Date	Participants	Method	Details of discussion
1	Jan 24, 2025	Audit Committee: 3 members Company: Head of Audit Team Auditor: Signing partner and 5 others	Face-to-face meeting	- Annual audit plan and its progress - Key Audit Matters and other areas of focus - Progress of audit of Internal Control over Financial Reporting - Other required communications at the completion stage of the audit
2	Apr 28, 2025	Audit Committee: 3 members Company: Head of Audit Team Auditor: Signing partner and 4 others	Face-to-face meeting	- Reporting on progress of quarterly review - Audit plan for the year 2025 - Other required communications at the planning stage of the audit

## 2. Change of Independent Auditor

There are 230 subsidiaries as of March 31, 2025. During the period ended March 31, 2025, Harman Belgium SA and other 6 subsidiaries changed their auditors from PwC to KPMG, Samsung Electronics Rus Company LLC changed from TeDO to B1, and STECO Co., Ltd. and Samsung Medison Co., Ltd., which are domestic subsidiaries, changed from Samil PwC to Samjeong KPMG. Change and new appointment of external auditor is decided at each entity's own discretion. Details of change in subsidiaries' external auditors during the period are as follows:

Subsidiaries	Previous auditor	Current Auditor
STECO Co., Ltd.	Samil PwC	Samjeong KPMG
Samsung Medison Co., Ltd.	Samil PwC	Samjeong KPMG
Samsung Electronics Rus Kaluga LLC	TeDO	B1
Harman Belgium SA	PwC	KPMG
Harma Connected Services AB.	PwC	KPMG
Harman Finland Oy	PwC	KPMG
Harman Inc. & Co. KG	PwC	KPMG
Harman International Romania SRL	PwC	KPMG
Harman Connected Services Corp. India Pvt. Ltd.	PwC	KPMG
Harman International (India) Private Limited	PwC	KPMG

There are 228 subsidiaries as of December 31, 2024. During the period ended December 31, 2024, Harman International Industries, Inc. and 16 other overseas subsidiaries changed its external auditor from PwC to KPMG, and Harman International Korea, Inc., the Company's domestic subsidiary, changed from Samil PwC to Samjong KPMG. Samsung Venture Capital Union #67 and Samsung Electronics Middle East and North Africa, established during the year 2024, have appointed Samjong KPMG and KPMG as external auditors, respectively. Also, eMagin Corporation, newly acquired in 2023, and Samsung Federal Inc., established in 2023, appointed KPMG as external auditor. Change and new appointment of external auditor is decided at each entity's own discretion.

Details of change in subsidiaries' external auditors during the period are as follows:

Subsidiaries	Previous auditor	Current Auditor
Harman International Korea, Inc.	Samil PwC	Samjong KPMG
Harman International Industries, Inc.	PwC	KPMG
Harman (China) Technologies Co., Ltd.	PwC	KPMG
Harman (Suzhou) Audio and Infotainment Systems Co., Ltd.	PwC	KPMG
Harman Automotive Electronic Systems (Suzhou) Co., Ltd.	PwC	KPMG
Harman Commercial (Shanghai) Co., Ltd.	PwC	KPMG
Harman Connected Services Solutions (Chengdu) Co., Ltd.	PwC	KPMG
Harman Holding Limited	PwC	KPMG
Harman International (China) Holdings Co., Ltd.	PwC	KPMG
Harman Technology (Shenzhen) Co., Ltd.	PwC	KPMG
Harman Becker Automotive Systems GmbH	PwC	KPMG
Harman Becker Automotive Systems Manufacturing Kft	PwC	KPMG
Harman Connected Services GmbH	PwC	KPMG
Harman Consumer Nederland B.V.	PwC	KPMG
Harman Deutschland GmbH	PwC	KPMG
Harman Holding GmbH & Co. KG	PwC	KPMG
Harman Hungary Financing Ltd.	PwC	KPMG
Harman Professional Kft	PwC	KPMG

For the year ended December 31, 2023, the Company holds 232 subsidiaries. In 2023, 8 domestic subsidiaries, including



Samsung Display Co., Ltd., changed external auditor from Deloitte Anjin to Samjong KPMG and SU Materials Co., Ltd. from E&Y Hanyoung to Samjong KPMG. Among overseas subsidiaries, 30 companies including Samsung Electronics America, Inc. (SEA) switched from Deloitte to KPMG, 65 including Samsung (China) Semiconductor Co., Ltd. (SCS) from PwC to KPMG, 6 including Samsung Electronics Benelux B.V. (SEBN) from E&Y to KPMG, and Laos Samsung Electronics Sole Co., Ltd (LSE) from KPP Co., Ltd to KPMG. Samsung Venture Investment Co. No. 62 established in 2023 and Stellar Forest of Hope established in 2022 appointed Samjong KPMG, and Samsung Electronics Uzbekistan FC LCC (SEUZ) and DOWOOINSYS VINA COMPANY LIMITED appointed KPMG as their external auditors. As the Company switched its external auditor, those subsidiaries newly designated and shifted their auditors in pursuit of efficient consolidated audit at each entity's own discretion.

Details of change in subsidiaries' external auditors during the year are as follows:

Subsidiaries	Previous auditor	Current Auditor
Samsung Display Co., Ltd.	Deloitte Anjin	Samjong KPMG
Samsung Electronics Service Co., Ltd.	Deloitte Anjin	Samjong KPMG
Samsung Electronics Service CS Co., Ltd.	Deloitte Anjin	Samjong KPMG
Samsung Electronics Sales Co., Ltd.	Deloitte Anjin	Samjong KPMG
Samsung Electronics Logitech Co., Ltd.	Deloitte Anjin	Samjong KPMG
Dowooinsys Co., Ltd.	Deloitte Anjin	Samjong KPMG
Gf-System Co., Ltd.	Deloitte Anjin	Samjong KPMG
Mirero System Co., Ltd.	Deloitte Anjin	Samjong KPMG
SU Materials Co., Ltd.	E&Y Hanyoung	Samjong KPMG
Samsung Electronics America, Inc. (SEA)	Deloitte	KPMG
Samsung Semiconductor, Inc. (SSI)	Deloitte	KPMG
Samsung Mexicana S.A. de C.V (SAMEX)	Deloitte	KPMG
Samsung International, Inc. (SII)	Deloitte	KPMG
Samsung Austin Semiconductor LLC. (SAS)	Deloitte	KPMG
Samsung Electronics Mexico S.A. De C.V. (SEM)	Deloitte	KPMG
Samsung Electronics (UK) Ltd. (SEUK)	Deloitte	KPMG
Samsung Electronics Holding GmbH (SEHG)	Deloitte	KPMG
Samsung Semiconductor Europe GmbH (SSEG)	Deloitte	KPMG
Samsung Electronics GmbH (SEG)	Deloitte	KPMG
Samsung Semiconductor Europe Limited (SSEL)	Deloitte	KPMG
Samsung Vina Electronics Co., Ltd. (SAVINA)	Deloitte	KPMG
Samsung Electronics Singapore Pte. Ltd. (SESP)	Deloitte	KPMG
Samsung Asia Pte. Ltd. (SAPL)	Deloitte	KPMG
Samsung Electronics Australia Pty. Ltd. (SEAU)	Deloitte	KPMG
Thai Samsung Electronics Co., Ltd. (TSE)	Deloitte	KPMG
Samsung Display Vietnam Co., Ltd. (SDV)	Deloitte	KPMG
Samsung R&D Institute BanglaDesh Limited (SRBD)	Deloitte	KPMG
Samsung Electronics Vietnam Co., Ltd. (SEV)	Deloitte	KPMG
Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)	Deloitte	KPMG
Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)	Deloitte	KPMG
Samsung (CHINA) Investment Co., Ltd. (SCIC)	Deloitte	KPMG
Samsung Electronics Taiwan Co., Ltd. (SET)	Deloitte	KPMG
Shanghai Samsung Semiconductor Co., Ltd. (SSS)	Deloitte	KPMG
Samsung Gulf Electronics Co., Ltd. (SGE)	Deloitte	KPMG
Samsung Electronics Saudi Arabia Ltd. (SESAR)	Deloitte	KPMG
Samsung Electronics South Africa(Pty) Ltd. (SSA)	Deloitte	KPMG
Samsung Electronics Turkiye (SETK)	Deloitte	KPMG

Subsidiaries	Previous auditor	Current Auditor
Samsung Electronics Industry and Commerce Ltd. (SETK-P)	Deloitte	KPMG
Samsung Eletronica da Amazonia Ltda. (SEDA)	Deloitte	KPMG
Samsung Japan Corporation (SJC)	PwC	KPMG
Samsung R&D Institute Japan Co. Ltd. (SRJ)	PwC	KPMG
Samsung Electronics Japan Co., Ltd. (SEJ)	PwC	KPMG
Samsung Oak Holdings, Inc. (SHI)	PwC	KPMG
Samsung Electronics Canada, Inc. (SECA)	PwC	KPMG
Samsung Research America, Inc (SRA)	PwC	KPMG
SAMSUNG NEXT LLC (SNX)	PwC	KPMG
SAMSUNG NEXT FUND LLC (SNXF)	PwC	KPMG
Samsung Electronics Home Appliances America, LLC (SEHA)	PwC	KPMG
Samsung Electronics Digital Appliance Mexico, SA de CV (SEDAM)	PwC	KPMG
Samsung Electronics Latinoamerica Miami, Inc. (SEMI)	PwC	KPMG
Samsung Electronics France S.A.S (SEF)	PwC	KPMG
Samsung Electronics Hungarian Private Co. Ltd. (SEH)	PwC	KPMG
Samsung Electronics Czech and Slovak s.r.o. (SECZ)	PwC	KPMG
Samsung Electronics Italia S.P.A. (SEI)	PwC	KPMG
Samsung Electronics Europe Logistics B.V. (SELS)	PwC	KPMG
Samsung Electronics Romania LLC (SEROM)	PwC	KPMG
Samsung Electronics Overseas B.V. (SEO)	PwC	KPMG
Samsung Electronics Polska, SP.Zo.o (SEPOL)	PwC	KPMG
Samsung Electronics Nordic Aktiebolag (SENA)	PwC	KPMG
Samsung Electronics Austria GmbH (SEAG)	PwC	KPMG
Samsung Electronics Switzerland GmbH (SESG)	PwC	KPMG
SAMSUNG ELECTRONICS BALTICS SIA (SEB)	PwC	KPMG
Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)	PwC	KPMG
Samsung Electronics Poland Manufacturing SP.Zo.o (SEPM)	PwC	KPMG
Samsung Electronics Greece S.M.S.A (SEGR)	PwC	KPMG
Samsung Nanoradio Design Center (SNDC)	PwC	KPMG
Samsung Electronics Air Conditioner Europe B.V. (SEACE)	PwC	KPMG
Samsung Denmark Research Center ApS (SDRC)	PwC	KPMG
Samsung Cambridge Solution Centre Limited (SCSC)	PwC	KPMG
Samsung R&D Institute India-Bangalore Private Limited (SRI-Bangalore)	PwC	KPMG
Samsung Electronics New Zealand Limited (SENZ)	PwC	KPMG
PT Samsung Electronics Indonesia (SEIN)	PwC	KPMG
PT Samsung Telecommunications Indonesia (STIN)	PwC	KPMG
Samsung Display Noida Private Limited (SDN)	PwC	KPMG
Samsung Display Dongguan Co., Ltd. (SDD)	PwC	KPMG
Samsung Display Tianjin Co., Ltd. (SDT)	PwC	KPMG
Samsung Electronics Hong Kong Co., Ltd. (SEHK)	PwC	KPMG
Suzhou Samsung Electronics Co., Ltd. (SSEC)	PwC	KPMG
Samsung Suzhou Electronics Export Co., Ltd. (SSEC-E)	PwC	KPMG
Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou)	PwC	KPMG
Samsung R&D Institute China-Shenzhen (SRC-Shenzhen)	PwC	KPMG
Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS)	PwC	KPMG
SEMES (XIAN) Co., Ltd.	PwC	KPMG
Beijing Samsung Telecom R&D Center (SRC-Beijing)	PwC	KPMG
Samsung Electronics Suzhou Computer Co., Ltd. (SESC)	PwC	KPMG
Samsung Semiconductor (China) R&D Co., Ltd. (SSCR)	PwC	KPMG
Samsung Electronics China R&D Center (SRC-Nanjing)	PwC	KPMG

Subsidiaries	Previous auditor	Current Auditor
Samsung (China) Semiconductor Co., Ltd. (SCS)	PwC	KPMG
Samsung SemiConductor Xian Co., Ltd. (SSCX)	PwC	KPMG
Samsung Electronics West Africa Ltd. (SEWA)	PwC	KPMG
Samsung Electronics East Africa Ltd. (SEEA)	PwC	KPMG
Samsung Electronics Israel Ltd. (SEIL)	PwC	KPMG
Samsung Electronics Tunisia S.A.R.L (SETN)	PwC	KPMG
Samsung Electronics Pakistan(Private) Ltd. (SEPAK)	PwC	KPMG
Samsung Electronics South Africa Production (pty) Ltd. (SSAP)	PwC	KPMG
Samsung Semiconductor Israel R&D Center, Ltd. (SIRC)	PwC	KPMG
Samsung Electronics Maghreb Arab (SEMAG)	PwC	KPMG
Samsung Electronics Latinoamerica(Zona Libre), S. A. (SELA)	PwC	KPMG
Samsung Electronica Colombia S.A. (SAMCOL)	PwC	KPMG
Samsung Electronics Chile Limitada (SECH)	PwC	KPMG
Samsung Electronics Peru S.A.C. (SEPR)	PwC	KPMG
Samsung Electronics Ukraine Company LLC (SEUC)	PwC	KPMG
Samsung R&D Institute Ukraine (SRUKR)	PwC	KPMG
Samsung Electronics Central Eurasia LLP (SECE)	PwC	KPMG
Samsung Electronics Iberia, S.A. (SESA)	E&Y	KPMG
Samsung Electronics Benelux B.V. (SEBN)	E&Y	KPMG
Samsung Electronics Portuguesa, Unipessoal, Lda. (SEP)	E&Y	KPMG
Samsung Electronics Philippines Corporation (SEPCO)	E&Y	KPMG
Samsung Electronics Levant Co.,Ltd. (SELV)	E&Y	KPMG
Samsung Electronics Caucasus Co. Ltd (SECC)	E&Y	KPMG
Laos Samsung Electronics Sole Co., Ltd (LSE)	KPP Co., Ltd	KPMG

### 3. Regarding Internal Control

Pursuant to the reporting guidelines set forth by the *Financial Supervisory Service* of South Korea, the Internal Control section, reported in the half-year and full-year Business Report, is not included in the 1Q and 3Q reports.

## VI Corporate Governance

### 1. Board of Directors

Pursuant to the reporting guidelines set forth by the FSS of South Korea, the Board of Directors section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

### 2. Audit System

Pursuant to the reporting guidelines set forth by the FSS, the Audit System section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

### 3. General meeting of shareholders

#### A. Voting method

As of March 31, 2025, the Company has not adopted cumulative voting or paper voting and has adopted electronic voting, which was used at the AGM on March 19, 2025.

On January 30, 2020, the Board resolved to adopt electronic voting to enhance convenience in exercising voting rights for shareholders in accordance with Article 368-4 (Exercise of Voting Rights by Electronic Means) of the Commercial Act. E-voting has been used at every AGM since it was introduced at the AGM on March 18, 2020.

The convocation notice of general meeting of shareholders includes the information that voting rights can be exercised electronically. Owners of shares as of the last day of every settlement term can exercise their voting rights via the electronic voting system of Korea Securities Depository ten days prior to general meeting date until the day before the meeting, without being present at the meeting.

As of March 31, 2025

Classification	Cumulative voting	Paper voting	Electronic voting
Adoption	Excluded	Not adopted	Adopted
Implementation	-	-	AGM (2024)

The Company as of the reporting date employs proxy voting and it contacts shareholders directly to recommend delegating voting rights, contacts shareholders by mail or email, and also made a power of attorney form available on the Company website.

#### B. Minority shareholder rights

No minority shareholder rights were exercised during the reporting period.

#### C. Competition over management rights

No competition over management rights occurred during the reporting period.

## D. Voting shares

As of March 31, 2025, SEC has 5,919,637,922 issued shares of common stock; and 815,974,664 issued shares of preferred stock with no voting rights. Of these, 27,000,000 common shares are being held as treasury stock and do not have voting rights. There are 598,772,685 shares of common stock with limited voting rights under relevant laws. Thus, the total number of shares with full voting rights is 5,293,865,237.

As of March 31, 2025

Classification	Share type	Number of shares	Note
Number of issued shares (A)	Common	5,919,637,922	-
	Preferred	815,974,664	-
Shares with no voting rights (B)	Common	27,000,000	Treasury shares
	Preferred	-	-
Shares with no voting rights according to Articles of Incorporation (C)	Common	-	-
	Preferred	815,974,664	Including 3,725,000 shares of preferred stock held as treasury shares
Shares with limited voting rights under relevant laws (D)	Common	598,329,941	Restricted by the Monopoly Regulation and Fair Trade Act: 503,904,843 shares held by Samsung Life Insurance & 88,058,948 shares held by Samsung Fire & Marine Insurance 4,484,150 shares held by Samsung Welfare Foundation 1,880,750 shares held by Samsung Foundation of Culture 1,250 shares held by Samsung Life Public Welfare Foundation
	Common	442,744	Restricted by the Insurance Business Act: Shares held by Samsung Life Insurance in certain special accounts
Shares with voting rights (E = A - B - C - D)	Common	5,293,865,237	-
	Preferred	-	-

Pursuant to Korea's Monopoly Regulation and Fair Trade Act, owners can exercise certain rights on some shares (598,772,685) in accordance with related laws, including the right to vote on agendas such as the appointment or dismissal of directors and revisions to the Articles of Incorporation.

## E. Stock affairs

### Preemptive rights in the Articles of Incorporation

1. New shares to be issued by the Company shall be allocated to the shareholders in proportion to their respective shareholdings in accordance with Paragraph 6, Article 8. If shares are not subscribed for as a result of waiver or loss of the preemptive right of the shareholders to subscribe for new shares, or if fractional shares remain at the time of allocation of new shares, such shares may be disposed of by a resolution of the Board of Directors in accordance with applicable laws and regulations.
2. Notwithstanding the above Paragraph 1, new shares may be allocated to persons other than shareholders in the following cases:
  - a. If the Company issues new shares or causes underwriters to underwrite new shares by a resolution of the Board of Directors in accordance with applicable laws and regulations including the Financial Investment Services and Capital Markets Act;
  - b. If the Company allocates new shares preferentially to members of the Employee Stock Ownership Association by a resolution of the Board of Directors in accordance with applicable laws and regulations including the Financial Investment Services and Capital Markets Act;
  - c. If the Company issues new shares for the issuance of depository receipts (DR) by a resolution of the Board of Directors in accordance with the applicable laws and regulations including the Financial Investment Services and Capital Markets Act;
  - d. If the Company issues new shares by public offering in accordance with Article 11-3;
  - e. If new shares are issued by the exercise of stock options in accordance with Article 11-4;
  - f. If the Company issues new shares to the extent of 20% of the total issued and outstanding shares to domestic or foreign financial institutions for the purpose of obtaining financing urgently or to the relevant partner company for the purpose of inducing technology therefrom, etc., by a resolution of the Board of Directors; provided that the issue price of the new shares shall not be less than the price prescribed by the Financial Investment Services and Capital Markets Act and other applicable laws and regulations.

#### ☞ (Note) Paragraph 6, Article 8

In the case of rights issue, bonus issue or stock dividend, the holders of common shares shall be entitled to common shares, and the holders of preferred shares shall be entitled to preferred shares, in proportion to their respective shareholdings; provided that in the case of rights issue and stock dividend the Company may, if necessary, issue only one kind of shares, where all the shareholders shall be entitled to such kind of shares to be issued.

#### ☞ (Note) Article 11-3 (Public Offering)

1. The Company may issue new shares by public offering to the extent that the new shares do not exceed 20% of the total number of issued and outstanding shares by a resolution of the Board of Directors, pursuant to Article 165-6, Paragraph 1, Item 3 of the Financial Investment Services and Capital Markets Act.
2. If the Company issues new shares by public offering, the type, quantity and issue price of the shares to be newly issued shall be determined by a resolution of the Board of Directors; provided that the issue price of such new shares shall not be less than the price prescribed by the Financial Investment Services and Capital Markets Act and other applicable laws and regulations.

#### ☞ (Note) Article 11-4 (Stock Options)

1. The Company may grant stock options to its officers and employees (including officers and employees of the related companies as set forth in Article 542-3, Paragraph 1 of the Commercial Code; the same shall apply for the purpose of this Article) by a special resolution of the general meeting of shareholders pursuant to Article 542-3 of the Commercial Code, to the extent permitted by the Commercial Code; provided, however, that the Company may grant the stock options to its officers and employees (except for the directors of the Company) by a resolution of the Board of Directors to the extent determined by the relevant laws and regulations.
2. The person to whom stock options may be granted are the officers and employees who have contributed or have the capacity to contribute to the establishment, management, overseas business, technical innovation, etc. of the Company; provided, however, that the officers and employees who may not be entitled to stock options under the relevant laws and regulations shall be excluded.
3. The shares to be issued to the officers or employees by the exercise of their stock options (in case the Company pays, either in cash or treasury shares, the difference between the exercise price of stock options and the market price, they refer to the shares which are the basis for such calculation) shall be common shares in registered form or preferred shares in registered form.
4. Total number of shares to be delivered in accordance with the exercise of stock options shall be up to the extent permitted by the relevant laws and regulations.
5. The stock options may be exercised until an expiry date determined by a resolution of the general meeting of shareholders or the Board of Directors and such expiry date shall be determined within a period not exceeding eight (8) years from the date when two (2) years have elapsed from the date of the general meeting of shareholders or the date of the Board of Directors' meeting at which a resolution to grant such stock options is adopted; provided, however, that the person to whom a stock option is granted should serve the Company for at least two (2) years after the date of such resolution in order to exercise such stock option, unless otherwise set forth by relevant laws and regulations.
6. The terms and conditions for stock options, such as the contents and exercise price thereof shall be determined by a special resolution of the general meeting of shareholders or by a resolution of the Board of Directors in accordance with the relevant laws and regulations and the Articles of Incorporation; provided, however, that such matters which are not provided for as matters reserved for resolutions of the general meeting of shareholders or the Board of Directors' meeting under the relevant laws and regulations or the Articles of Incorporation may be determined by the Board of Directors or a committee authorized by the Board of Directors.
7. The Company may cancel the grant of stock options by a resolution of the Board of Directors in any of the following cases:
  - a. In case the relevant officer or employee voluntarily retires from his/her office or leaves the Company after the grant of stock options;
  - b. In case the relevant officer or employee causes substantial damages to the Company due to his/her willful misconduct or negligence;
  - c. In case any of the causes for cancellation set forth in the stock option agreement occurs.





## VII Information on Shareholders

### 1. Ownership of shares by the major shareholder(s) and related parties

As of March 31, 2025

Name	Relationship	Type of share	Ownership				Notes
			Period start		Period end		
			Shares	Stake (%)	Shares	Stake (%)	
Samsung Life Insurance	Major shareholder	Common	508,157,148	8.51	503,904,843	8.51	Off-hours trading
		Preferred	43,950	0.01	43,950	0.01	-
Samsung Life Insurance (special accounts)	Major shareholder	Common	5,378,652	0.09	5,395,781	0.09	Open market transactions
		Preferred	329,788	0.04	301,505	0.04	Open market transactions
Samsung C&T	Affiliate	Common	298,818,100	5.01	298,818,100	5.05	-
Samsung Fire & Marine Insurance	Affiliate	Common	88,802,052	1.49	88,058,948	1.49	Off-hours trading
Samsung Welfare Foundation	Funded foundation	Common	4,484,150	0.08	4,484,150	0.08	-
Samsung Foundation Of Culture	Funded foundation	Common	1,880,750	0.03	1,880,750	0.03	-
Samsung Life Public Welfare Foundation	Funded foundation	Common	1,250	0.00	1,250	0.00	-
Ra-hee Hong	Related party of the major shareholder	Common	97,978,700	1.64	97,978,700	1.66	-
		Preferred	206,633	0.03	206,633	0.03	-
Jae-yong Lee	Related party of the major shareholder	Common	97,414,196	1.63	97,414,196	1.65	-
		Preferred	137,757	0.02	137,757	0.02	-
Boo-jin Lee	Executive member of affiliate	Common	47,745,681	0.80	47,745,681	0.81	-
		Preferred	137,755	0.02	137,755	0.02	-
Seo-hyun Lee	Executive member of affiliate	Common	47,290,190	0.79	47,290,190	0.80	-
		Preferred	137,755	0.02	137,755	0.02	-
Young-Hyun Jun	Executive member of affiliate	Common	0	0.00	17,000	0.00	Newly appointed
Tae-moon Roh	Executive member of affiliate	Common	28,000	0.00	28,000	0.00	-
Jai-Hyuk Song	Executive member of affiliate	Common	0	0.00	9,300	0.00	Newly appointed
Hye-Kyung Cho	Executive member of affiliate	Common	500	0.00	500	0.00	-
Hyuk-Jae Lee	Executive member of affiliate	Common	0	0.00	200	0.00	Newly appointed
Jong-hee Han	Executive member of affiliate	Common	25,000	0.00	0	0.00	Resigned
Jung-bae Lee	Executive member of affiliate	Common	21,800	0.00	0	0.00	Term expiry
Han-jo Kim	Executive member of affiliate	Common	6,985	0.00	0	0.00	Term expiry
Total		Common	1,198,033,154	20.07	1,193,027,589	20.15	-
		Preferred	993,638	0.12	965,355	0.12	-

Relationship in accordance with Article 3 Paragraph 1 of Enforcement Decree of the Act on Corporate Governance of Financial Companies.

Common shares carry full voting rights while preferred shares do not. (Owners of certain common shares have limited voting rights in accordance with relevant laws.)

Changes in ownership ratio, other than those from on-market and off-hour trading, are due to Company repurchases and cancellations.

For changes after March 31, 2025, please refer to 'Ownership status of securities, etc. of executives and major shareholder' published in Korean in DART (<https://dart.fss.or.kr>).



## 2. Matters related to the major shareholder

### A. Overview of the major shareholder (corporation or organization)

#### (1) Basic information of the major shareholder (Samsung Life Insurance Co., Ltd.)

- 1) Legal, commercial name: Samsung Life Insurance Co., Ltd.
- 2) Date of establishment: April 24, 1957
- 3) Address, phone number, and English language website of the corporate headquarters
  - Address: 11, Seocho-daero 74-gil, Seocho-gu, Seoul, Republic of Korea
  - Phone: +82-2-1588-3114
  - Website: <https://www.samsunglife.com>

#### 4) CEO and major shareholder of the major shareholder (Samsung Life Insurance)

Name	Number of investors	CEO		Major shareholder	
		Name	Share ratio (%)	Name	Share ratio (%)
Samsung Life Insurance Co., Ltd	71,090	Won-hak Hong	0.00	Samsung C&T	19.34

As of March 31, 2025, based on common shares.

#### 5) Changes to the CEO and major shareholder of the major shareholder (Samsung Life Insurance)

Changes in the CEO, executive officers, or largest shareholders of corporation or organizations

Date of change	CEO		Major shareholder	
	Name	Share ratio (%)	Name	Share ratio (%)
Mar 21, 2024	Won-hak Hong	0.00	-	-

Mar 21, 2024: Young-muk Jeon resigned from his position as CEO, and Executive Director Won-hak Hong was appointed as CEO

#### (2) Financial status of the recent settlement term of the major shareholder (Samsung Life Insurance)

(KRW mil)

Classification	
Name of the corporation or organization	Samsung Life Insurance Co., Ltd
Total assets	318,858,553
Total liabilities	287,368,034
Total equity	31,490,519
Revenue	8,409,861
Operating profit	753,958
Net profit	677,496

The financial status is as of March 31, 2025, based on the consolidated K-IFRS financial statements.

#### (3) Business conditions of the major shareholder (Samsung Life Insurance)

Samsung Life Insurance is a company in which life insurance and its related reinsurance contract are the key purpose of business operations, and it operates businesses in accordance with the Insurance Business Act and other related laws.

Its key subsidiary, Samsung Card, is a specialized credit finance business company that operates specialized credit finance businesses (including credit card business, facility leasing business, and installment financing business) in accordance with the Specialized Credit Finance Business Act and other related laws.

☞ Please refer to the business report (interim and half-year) of Samsung Life Insurance published in DART (<https://dart.fss.or.kr>) for more details of the major shareholder.

## B. Certain transaction that may cause changes in the major shareholder

N/A

## C. Overview of the major shareholder of the major shareholder

(1) Basic information of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

- 1) Legal, commercial name: Samsung C&T Corporation
- 2) Date of establishment and period of existence: Dongwha Real Estate was first established on December 23, 1963, and the company name was changed to Cheil Industries in July 2014. It merged with Samsung C&T Corporation (founded as Samsung Sanghoe on March 1, 1938, and established as Samsung C&T in January 1951) and changed the company name to Samsung C&T Corporation on September 2, 2015 (merger registration date).
- 3) Address, phone number, and English language website of the corporate headquarters
  - Address: 26, Sangil-ro 6-gil, Gangdong-gu, Seoul, Republic of Korea
  - Phone: +82-2-2145-5114
  - Website: <https://www.samsungent.com>
- 4) CEO and major shareholder of the major shareholder (Samsung C&T) of the major shareholder

Name	Number of investors	CEO		Major shareholder	
		Name	Share ratio (%)	Name	Share ratio (%)
Samsung C&T	112,360	Se-chul Oh	0.00	Jae-yong Lee	19.93
		Hai-lin Jeong	0.00		
		Jae-eon Lee	0.00		

As of March 31, 2025, based on common shares

5) Changes to the CEO and major shareholder of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

Date of change	CEO		Major shareholder	
	Name	Share ratio (%)	Name	Share ratio (%)
Mar 17, 2023	Seung-hwan Han	-	-	-
Mar 17, 2023	Hai-lin Jeong	0.00	-	-
Apr 21, 2023	-	-	Jae-yong Lee	18.26
Mar 15, 2024	Jung-suk Koh	-	-	-
Mar 15, 2024	Jae-eon Lee	0.00	-	-
Apr 19, 2024	-	-	Jae-yong Lee	19.06
Feb 5, 2025	-	-	Jae-yong Lee	19.93

Mar 17, 2023: Seung-hwan Han resigned from his position as CEO, and Executive Director Hai-lin Jeong was appointed as CEO.

Apr 21, 2023: The share ratio of the major shareholder was changed (18.13%→18.26%) due to the cancellation of treasury shares (1,295,411 common shares).

May 15, 2024: Jung-suk Koh resigned from his position as CEO, and Jae-eon Lee was appointed as CEO.

Apr 19, 2024: The share ratio of the major shareholder changed (18.26%→19.06%) due to the cancellation of treasury shares (7,807,563 common shares).

Feb 5, 2025: The share ratio of the largest shareholder changed (19.06%→19.93%) due to the cancellation of treasury shares (7,807,563 common shares).

(2) Financial status of the recent settlement term of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

(KRW mil)

Classification	
Name of the corporation or organization	Samsung C&T
Total assets	62,457,981
Total liabilities	24,124,122
Total equity	38,333,859
Revenue	9,736,781
Operating profit	724,421
Net profit	937,243

The financial status is as of March 31, 2025, based on the consolidated K-IFRS financial statements.

(3) Business conditions of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

Samsung C&T is consisted of Engineering & Construction, Trading & Investment, Fashion, and Resort Groups as well as biomedicine OEM and biosimilar businesses. The Engineering & Construction Group operates businesses in building, civil infrastructure, plant, and housing areas domestically and globally; Trading & Investment trades internationally in various fields, including resource development, steel, chemical, industrial materials, and textiles. The Fashion Group imports and sells clothing. The Resort Group manages landscaping business, Everland (dry park), Caribbean Bay (water park), golf course, food supply services, and food distribution business (Samsung Welstory).

☞ Please refer to the business report (interim and half-year) of Samsung C&T published in DART (<https://dart.fss.or.kr>) for more details of the major shareholder of the major shareholder.

## VIII Executives and Employees

### 1. Executives and employees

#### A. Registered Executives

As of March 31, 2025

(Shares)

Name Gender Date of birth	Position	Registered Executive	Full- time/ part- time	Responsibility	Major career	No. of shares owned		Relationship with major shareholder	Service length (months)	Term expiry
						Common	Preferred			
Young-Hyun Jun Male Dec 1960	Vice Chairman	Executive Director	Full	• CEO (head of DS Division)	• Doctorate in Electrical Engineering from KAIST • Head of DS Division; head of Memory Business; president of SAIT	17,000	-	Executive Member of an affiliate	1	Mar 18, 2028
Tae-moon Roh Male Sep 1968	President	Executive Director	Full	• Acting head of DX Division • Head of MX Business	• Doctorate in Electrical Engineering from Pohang University of Science and Technology • Acting head of DX Division; • Head of MX business; • Head of Quality Innovation Group	28,000	-	Executive Member of an affiliate	37	Mar 15, 2028
Jai-Hyuk Song Male Aug 1967	President	Executive Director	Full	• CTO of DS Division	• Doctorate in Electrical Engineering from Seoul National University • CTO of DS Division • Head of Semiconductor Research Center	9,300	-	Executive Member of an affiliate	1	Mar 18, 2028
Je-yoon Shin Male Mar 1958	Director	Independent Director	Part	• Board Chair • Head of Audit Comm. • Head of Independent Director Recommendation Comm. • Head of Compensation Comm. • Sustainability Comm.	• Bachelor's degree in Economics from Seoul National University • Chair of Financial Services Commission	-	-	Executive Member of an affiliate	13	Mar 28, 2027
Jun-sung Kim Male Oct 1967	Director	Independent Director	Part	• Related party Transactions Comm. • Compensation Comm. • Head of Sustainability Comm.	• Bachelor's degree in Economics & Business Administration from Carnegie Mellon University • Managing Director of Government of Singapore Investment Corporation (GIC) Total Return Group	-	-	Executive Member of an affiliate	37	Mar 15, 2028
Eunnyeong Heo Male Aug 1964	Director	Independent Director	Part	• Independent Director Recommendation Comm. • Head of Related Party Transactions Comm. • Compensation Comm. • Sustainability Comm.	• Doctorate in Mineral Economics from Pennsylvania State University • Professor of College of Engineering at Seoul National University	-	-	Executive Member of an affiliate	29	Mar 18, 2028
Myung-hee Yoo Female Jun 1967	Director	Independent Director	Part	• Audit Comm. • Independent Director Recommendation Comm. • Sustainability Comm.	• Juris Doctor from Vanderbilt Law • Trade Minister, Ministry of Trade, Industry and Energy	-	-	Executive Member of an affiliate	29	Mar 18, 2028
Hye-kyung Cho Female Jul 1964	Director	Independent Director	Part	• Audit Comm. • Sustainability Comm.	• Doctorate in Robotics from Seoul National University • Professor of Applied AI at Hansung University	500	-	Executive Member of an affiliate	13	Mar 19, 2027
Hyuk-Jae Lee Male Feb 1965	Director	Independent Director	Part	• Related Party Transactions Comm. • Sustainability Comm.	• Doctorate in Electrical and Computer Engineering from Purdue University • Professor of Electrical and Computer Engineering at Seoul National University	200	-	Executive Member of an affiliate	1	Mar 18, 2028

Number of shares owned is as of the reporting date; for changes after the reporting date, please refer to 'Ownership status of securities, etc. of executives and major shareholder' published in Korean in DART (<https://dart.fss.or.kr>).

Relationship with major shareholder is in accordance with Article 3 Paragraph 1 of the Enforcement Decree of the Act on Corporate Governance of Financial Companies.

Mar 20, 2024: Je-yoon Shin was newly appointed as Independent Director, Hye-kyung Cho was newly appointed as Independent Director for Audit Committee member, and Myung-hee Yoo was appointed as member of the Audit Committee at the AGM. Independent Director Eunnyeong Heo and Independent Director Myung-hee Yoo were appointed as members of the Related Party Transaction Committee; Independent Director Je-yoon Shin was appointed as member of the Independent Director Recommendation Committee, Compensation Committee, and Sustainability Committee; and Independent Director Hye-Kyung Cho was appointed as member of the Sustainability Committee at the Board meeting.

Mar 20, 2024: Independent Director Sun-uk Kim vacated her position.

Mar 22, 2024: Term expired for Independent Director Jeong Kim.

Apr 26, 2024: Independent Director Eunnyeong Heo was appointed as the Head of the Related Party Transaction Committee.

May 21, 2024: Kye-hyun Kyung resigned from his position as Executive Director.

Jul 29, 2024: Independent Director Je-Yoon Shin was appointed as the Head of the Independent Director Recommendation Committee.

Dec 26, 2024: Hark-kyu Park resigned from his position of Executive Director.

At the AGM held on March 19, 2025, Executive Director Young-Hyun Jun, Executive Director Jai-Hyuk Song, Independent Director Hyuk-Jae Lee were new appointments, and Executive Director Tae-Moon Roh, Independent Director Jun-Sung Kim, Independent Director Eunnyeong Heo, and Independent Director Myung-Hee Yoo, were reappointments; Independent Director Je-yoon Shin and Independent Director Myung-Hee Yoo were appointed as Audit Committee Members. At the Board meeting held on the same day, Young-Hyun Jun, Tae-Moon Roh, and Jai-Hyuk Song were appointed as Management Committee members, and Jun-Sung Kim was appointed as a member of Independent Director Recommendation Committee, Compensation Committee, and Sustainability Committee. Eunnyeong Heo was appointed as a member of Independent Director Recommendation Committee. Related Party Transactions Committee, Compensation Committee, and Sustainability Committee. Myung-Hee Yoo was appointed as a member of Independent Director Recommendation Committee, and Sustainability Committee. Hyuk-Jae Lee was appointed as a member of Related Party Transactions Committee and Sustainability Committee.

Han-jo Kim's term as Independent Director expired on March 9, 2025

Jong-hee Han, former CEO (appointed in February 2022) stepped down from his positions of CEO and Executive Director on March 25, 2025

Independent Director Je-yoon Shin was appointed as the head of Audit Committee and Compensation Committee, and Eunnyeong Heo was appointed as the head of Related Party Transactions Committee on April 28, 2025.

Independent Director Jun-Sung Kim was appointed as the head of Sustainability Committee on April 29 2025

## B. Registered Executives with concurrent positions

As of March 31, 2025

Concurrent office holder		Company		
Name	Position	Name of company	Position	Period
Myung-hee Yoo	Independent Director	HD Hyundai Construction Equipment	Independent Director	2022–present
Hye-kyung Cho	Independent Director	Hyundai E&C	Independent Director	2021-present

## 2. Remuneration for Directors

Pursuant to the reporting guidelines set forth by the FSS, the Remuneration for Directors section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

## **IX Affiliates and Subsidiaries**

Pursuant to the reporting guidelines set forth by the FSS, the Affiliates and Subsidiaries section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

## X Transactions with Affiliates and Subsidiaries

### 1. Credit offerings for affiliates and subsidiaries

As of the end of 1Q25, the Company provides comprehensive debt guarantees to support the flexible financing of overseas subsidiaries including Samsung Electronics America, Inc. (SEA).

(USD thousand)

Company	Relation	Creditor	Type	Purpose	Guarantee start date	Guarantee expiry date	Limit of guarantee		Transactions			Interest Rate(%)
							Period start	Period end	Period start	Change	Period end	
SEA	Affiliate	BOA, etc.	Payment guarantee	Operating fund	Apr 20, 2024	Nov 08, 2025	1,278,000	1,278,000	-	-	-	
SEM	Affiliate	BBVA, etc.	Payment guarantee	Operating fund	Mar 28, 2024	Dec 16, 2025	715,000	715,000	-	-	-	
SAMCOL	Affiliate	Citibank, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	210,000	210,000	-	-	-	
SEDA	Affiliate	BRABESCO, etc.	Payment guarantee	Operating fund	Oct 01, 2024	Dec 16, 2025	329,000	329,000	-	-	-	
SECH	Affiliate	Citibank, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	62,000	64,000	-	-	-	
SEPR	Affiliate	BBVA, etc.	Payment guarantee	Operating fund	Jun 01, 2024	Dec 16, 2025	150,000	150,000	-	-	-	
SSA	Affiliate	SCB, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	318,000	286,000	-	-	-	
SEMAG	Affiliate	SocGen, etc.	Payment guarantee	Operating fund	Nov 09, 2024	Dec 16, 2025	46,000	46,000	-	-	-	
SETK	Affiliate	BNP, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	947,000	947,000	495,321	-149,623	345,699	46.9%
SETK-P	Affiliate	BNP, etc.	Payment guarantee	Operating fund	Nov 09, 2024	Dec 16, 2025	70,000	70,000	-	-	-	
SECE	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	114,000	114,000	-	-	-	
SEEG	Affiliate	HSBC, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	85,000	85,000	-	-	-	
SEIN	Affiliate	BNP, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Nov 08, 2025	70,000	70,000	-	-	-	
SJC	Affiliate	Mizuho Bank, etc.	Payment guarantee	Operating fund	Apr 28, 2024	Dec 16, 2025	808,270	820,741	-	-	-	
SEUC	Affiliate	Credit Agricole, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	125,000	115,000	-	-	-	
SEDAM	Affiliate	Citibank, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	537,000	537,000	-	-	-	
SECA	Affiliate	BOA	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	70,000	70,000	-	-	-	
SELA	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	60,000	60,000	-	-	-	
SEEH	Affiliate	HSBC, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	906,400	938,400	-	-	-	
SELV	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	10,000	10,000	-	-	-	
SEIL	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	15,600	15,600	-	-	-	
SAPL	Affiliate	BOA, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	404,000	404,000	-	-	-	
SAVINA	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	51,000	51,000	-	-	-	
SCIC	Affiliate	HSBC, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	270,000	270,000	-	-	-	
SESP	Affiliate	SCB	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	30,000	30,000	-	-	-	
SME	Affiliate	SCB	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	110,000	110,000	-	-	-	
SAMEX	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	5,000	5,000	-	-	-	
SEASA	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	2,000	2,000	-	-	-	
SSAP	Affiliate	SCB	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	35,000	35,000	-	-	-	
SEPM	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	35,000	35,000	-	-	-	
SESAR	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	20,000	20,000	-	-	-	
SEUZ	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	10,000	20,000	-	-	-	

Company (relation)	Creditor	Type	Purpose	Guarantee start date	Guarantee expiry date	Limit of guarantee		Transactions			Interest Rate (%)
						Period start	Period end	Period start	Change	Period end	
AdGear Technologies Inc. (affiliate)	BOA	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	2,000	2,000	-	-	-	
Harman International Industries, Inc. (affiliate)	JP Morgan	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	100,000	100,000	-	-	-	
Harman International Japan Co., Ltd. (affiliate)	MUFG	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	25,000	25,000	-	-	-	
Harman Holding Limited (affiliate)	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	30,000	30,000	-	-	-	
Harman do Brasil Industria Eletronica e Participacoes Ltda. (affiliate)	SocGen	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	15,000	15,000	-	-	-	
Harman da Amazonia Industria Eletronica e Participacoes Ltda. (affiliate)											
Harman International Industries Limited (affiliate)	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	30,000	30,000	-	-	-	
Total						8,102,270	8,114,741	495,321	-149,623	345,699	

Separate basis.

The approval decision is resolved by the Management Committee when the guarantee amount per transaction is between 0.1% and/or less than 2.5%, and by the Board of Directors when the guarantee amount per transaction is 2.5% and above.

SEC receives fees on the debt it guarantees depending on the maturity date of each debt guarantee, general loan interest rate, etc.

SEC claimed approximately USD 2,215 thousand in guarantee fees in 2024, and it collected the payment in 2025.

## 2. Acquisitions and disposals of assets with affiliates and subsidiaries

In 1Q25, the Company sold assets to affiliates, including Samsung (China) Semiconductor Co., Ltd.(SCS), to increase production capacity of such affiliates. Also, the Company acquired assets including facility equipment from affiliates to improve production efficiency.

(KRW mil)

Company	Relationship	Transaction type	Transaction date <sup>1)</sup>	Asset	Purpose of transaction	Amount <sup>2)</sup>	Gain or loss on disposal
SCS	Affiliate	Asset sale/purchase	Mar 31, 2025	Machinery, etc.	Enhance capacity and production efficiency	12,420	6,869
SESS	Affiliate	Asset sale	Mar 26, 2025	Machinery, etc.	Enhance capacity and production efficiency	473	473
SEVT	Affiliate	Asset sale/purchase	Mar 27, 2025	Machinery, etc.	Enhance capacity and production efficiency	403	14
SEHC	Affiliate	Asset sale	Mar 10, 2025	Machinery, etc.	Enhance capacity and production efficiency	225	9

Separate basis

The above acquisition and disposal transactions of assets are not subject to the Board's approval.

1) Most recent transaction.

2) Properly calculated by an appropriate method based upon market value assessment. Transaction was made under normal conditions (e.g., terms of cash payment within the 15th, 30th of the following month of transaction).

Transactions worth less than KRW 100 million were excluded according to Corporate Disclosure Guidelines.



3. *Business transactions with affiliates and subsidiaries*

In 1Q25, the Company had transactions (e.g., sales and purchases) with affiliates, including Samsung Semiconductor, Inc. (SSI).

(KRW mil)

Company	Relationship	Transaction type	Transaction date	Details	Amount
SSI	Affiliate	Sales, purchases, etc.	2025.01~2025.03	Semiconductor, etc.	10,629,517

Separate basis  
Transactions worth 5% and above of revenue of the current business year are subject to public disclosure.

## XI Other Information

### 1. Changes in public disclosure

- N/A

### 2. Contingent liabilities

#### A. Litigation

The Company is involved in various claims, disputes, and investigations conducted by regulatory bodies, which arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, as of the reporting date, the Company believes the outcome will not have a material impact on the financial position of the Company.

Samsung Electronics and its spun-off companies, including SDC, are liable to fulfill in solidarity the debts of SDC which relate to the periods prior to SDC's separation from the Company.

For information related to other contingent liabilities and commitments, see retained earnings in 『3. Notes to consolidated financial statements』 and 『5. Notes to non-consolidated financial statements』 in 『III. Financial Affairs』.

#### B. Guarantees

(USD thousand)

Company	Relation	Creditor	Type	Purpose	Guarantee start date	Guarantee end date	Limit of guarantee		Transactions			Interest rate
							Period start	Period end	Period start	Change	Period end	
SEA	Affiliate	BOA, etc.	Payment guarantee	Operating fund	Apr 20, 2024	Nov 08, 2025	1,278,000	1,278,000	-	-	-	
SEM	Affiliate	BBVA, etc.	Payment guarantee	Operating fund	Mar 28, 2024	Dec 16, 2025	715,000	715,000	-	-	-	
SAMCOL	Affiliate	Citibank, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	210,000	210,000	-	-	-	
SEDA	Affiliate	BRADESCO, etc.	Payment guarantee	Operating fund	Oct 01, 2024	Dec 16, 2025	329,000	329,000	-	-	-	
SECH	Affiliate	Citibank, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	64,000	64,000	-	-	-	
SEPR	Affiliate	BBVA, etc.	Payment guarantee	Operating fund	Jun 01, 2024	Dec 16, 2025	150,000	150,000	-	-	-	
SSA	Affiliate	SCB, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	318,000	286,000	-	-	-	
SEMAG	Affiliate	SocGen, etc.	Payment guarantee	Operating fund	Nov 09, 2024	Dec 16, 2025	46,000	46,000	-	-	-	
SETK	Affiliate	BNP, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	947,000	947,000	495,321	-149,623	345,699	46.9%
SETK-P	Affiliate	BNP, etc.	Payment guarantee	Operating fund	Nov 09, 2024	Dec 16, 2025	70,000	70,000	-	-	-	
SECE	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	114,000	114,000	-	-	-	
SEEG	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	85,000	85,000	-	-	-	
SEIN	Affiliate	BNP, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Nov 08, 2025	70,000	70,000	-	-	-	
SJC	Affiliate	Mizuho Bank, etc.	Payment guarantee	Operating fund	Apr 28, 2024	Dec 16, 2025	808,270	820,741	-	-	-	
SEUC	Affiliate	Credit Agricole, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	125,000	115,000	-	-	-	
SEDAM	Affiliate	Citibank, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	537,000	537,000	-	-	-	
SECA	Affiliate	BOA	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	70,000	70,000	-	-	-	
SELA	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	60,000	60,000	-	-	-	
SEEH	Affiliate	HSBC, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	906,400	938,400	-	-	-	
SELV	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	10,000	10,000	-	-	-	
SEIL	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	15,600	15,600	-	-	-	

SAPL	Affiliate	BOA, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	404,000	404,000	-	-	-	
SAVINA	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	51,000	51,000	-	-	-	
SCIC	Affiliate	HSBC, etc.	Payment guarantee	Operating fund	Jun 14, 2024	Dec 16, 2025	270,000	270,000	-	-	-	
SESP	Affiliate	SCB	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	30,000	30,000	-	-	-	
SME	Affiliate	SCB	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	110,000	110,000	-	-	-	
SAMEX	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	5,000	5,000	-	-	-	
SEASA	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	2,000	2,000	-	-	-	
SSAP	Affiliate	SCB	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	35,000	35,000	-	-	-	
SEPM	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	35,000	35,000	-	-	-	
SESAR	Affiliate	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	20,000	20,000	-	-	-	
SEUZ	Affiliate	Citibank	Payment guarantee	Operating fund	Dec 17, 2024	Dec 16, 2025	10,000	10,000	-	-	-	

(USD thousand)

Company (relation)	Creditor	Type	Purpose	Guarantee start date	Guarantee expiry date	Limit of Guarantee		Transactions			Interest rate
						Period start	Period end	Period start	Change	Period end	
AdGear Technologies Inc. (affiliate)	BOA	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	2,000	2,000	-	-	-	
Harman International Industries, Inc. (affiliate)	JP Morgan	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	100,000	100,000	-	-	-	
Harman International Japan Co., Ltd. (affiliate)	MUFG	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	25,000	25,000	-	-	-	
Harman Holding Limited (affiliate)	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	30,000	30,000	-	-	-	
Harman do Brasil Industria Eletronica e Participacoes Ltda. (affiliate)	SocGen	Payment guarantee	Operating fund	Nov 09, 2024	Nov 08, 2025	15,000	15,000	-	-	-	
Harman da Amazonia Industria Eletronica e Participacoes Ltda. (affiliate)											
Harman International Industries Limited (affiliate)	HSBC	Payment guarantee	Operating fund	Jun 14, 2024	Jun 13, 2025	30,000	30,000	-	-	-	
SDN (affiliate)	SIEL	Payment guarantee	Operating fund, etc.	Feb 17, 2023	Nov 24, 2027	584,785	584,529	497,067	-218	496,849	8.36%
SAS (affiliate)	Epcor	Payment guarantee	Operating fund, etc.	Apr 26, 2022	Debt expiry date	340,000	340,000	-	-	-	
SEA (affiliate)	US Government	Payment guarantee	Subsidy	Dec 20, 2024	Debt expiry date	6,435,000	6,435,000	-	-	-	
Total						15,462,055	15,464,270	992,388	-149,841	842,548	

Consolidated basis.

Debt guarantees for SDN are provided by SDC, SAS by SEA.

SEC requires Board approval for individual guarantees exceeding 2.5% of total equity; the approval decision is delegated to the Management Committee when the guarantee amount is between 0.1% and/or less than 2.5%. SDC requires Board approval for individual guarantees over KRW 10,000 million.

The Company receives the debt guarantee fee calculated in consideration of the maturity of each subsidiary's debt guarantee and the interest rate of general credit conditions.

In 2024, the Company claimed approximately USD 2,215,000 in guarantee fees, and it collected the payment in 2025.

In 2024, Samsung Display Co., Ltd. claimed approximately USD 2,982,000 in guarantee fees to SDN, and it collected the payment in 2025.

SEA's debt to the U.S. Government refers to a guarantee agreement by the parent company, under which it is obligated to repay semiconductor subsidies to the U.S. Department of Commerce if SAS fails to fulfill its contractual obligations.

### ***3. Sanctions and others***

Pursuant to the reporting guidelines set forth by the FSS of South Korea, the Sanctions and others section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q.

### ***4. Subsequent events and other matters***

Pursuant to the reporting guidelines set forth by the FSS, the Subsequent events and other matters section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

## XII Appendix

### 1. Subsidiaries subject to consolidated financial statements (detailed)

Pursuant to the reporting guidelines set forth by the FSS, the Subsidiaries subject to consolidated financial statements (detailed) section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

### 2. Affiliates

Pursuant to the reporting guidelines set forth by the FSS, the Affiliates & subsidiaries (detailed) section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

### 3. Equity investments in other corporations (Details)

Pursuant to the reporting guidelines set forth by the FSS, the Equity investments in other corporations (detailed), reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

### 4. R&D results (detailed)

DX Division	
Research project	Details
<b>Visual Display</b>	
Neo QLED 8K ~March 2025	<ul style="list-style-type: none"> <li>□ Ultra high-resolution, slim 8K TV based on Mini LED technology <ul style="list-style-type: none"> <li>- QN900 (65 · 75 · 85 · 98") / QN800 (65 · 75 · 85") / QN700 (55 · 65 · 75 ")</li> <li>- QLED 8K resolution offers real-life viewing experience with enhanced contrast of sophisticated Mini LED</li> <li>- Offers immersive and realistic viewing experience with Neural Quantum Processor 8K</li> <li>- Offers spatial sound that envelops the space with OTS(Object Tracking Sound)</li> <li>- Introduced QN990F featuring 8K Wireless One Connect Box, 8K AI Upscaling Pro, AI HDR Remastering Pro, AI Motion Enhancer Pro, and 8K 120Hz 4K 240Hz VRR</li> </ul> </li> </ul>
Neo QLED 4K ~March 2025	<ul style="list-style-type: none"> <li>□ Mini LED-based products come in 4 series and up to 8 sizes (43 · 50 · 55 · 65 · 75 · 85 · 98 · 100") <ul style="list-style-type: none"> <li>- Slim design by adopting Mini LED, premium look with bezel-less/metal design</li> <li>- New LED with Quantum Nano-Layer Multi-Cell structure, enabling slim design, high luminance efficiency, luminance profile control</li> <li>- Adjusts picture quality using AI functions based on user's preferences of genre-specific picture quality</li> <li>- Provides quick access and personalized recommendations with New Home, which offers convenient serviceability</li> <li>- Provides enhanced AI functionalities (QN90F) with the application of NQ5 SI Gen3 Processor (Live Translate, Click to Search, Home Insight, etc.)</li> <li>- Applied glare free technology and VRR 4K 165Hz (QN90F)</li> </ul> </li> </ul>
OLED TV ~March 2025	<ul style="list-style-type: none"> <li>□ Quantum-Dot-based self-emitting display flat 4K TV (55 · 65 · 77") <ul style="list-style-type: none"> <li>- S95 (55 · 65 · 77"): OLED TV that provides the true value of TV, featuring QD-OLED display with 165Hz VRR, OLED Glare Free-True Reality quality, Infinity One Design (an ultra slim flat form factor equipped with top speaker), Object Tracking Sound, and ATMOS</li> <li>- S90 (55 · 65 · 77"): Provides picture quality of OLED Display featuring 144Hz VRR and immersive sound with Laser Slim Design featuring OTS Lite and ATMOS, strengthening Samsung OLED lineups beyond Neo QLED to enhance positioning in the premium TV market</li> <li>- Offers enhanced AI functionalities with the application of NQ5 SI Gen3 Processor (S90/S95F)</li> </ul> </li> <li>□ White OLED-based self-emitting display flat 4K TV (42 · 48 · 55 · 65 · 77 · 83") <ul style="list-style-type: none"> <li>- S95 (83"): same features as above S95 models</li> <li>- S90 (42 · 48 · 55 · 65 · 77 · 83"): same features as above</li> <li>- S85 (55 · 65 · 77 · 83"): Features white OLED display—which has been prepared as a new lineup for OLED sales expansion and profit/loss improvement—and offers premium spatial sound with OTS Lite/ ATMOS and a contour design with sleek curves</li> </ul> </li> </ul>

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Research project	Details
QLED TV ~March 2025	<ul style="list-style-type: none"> <li>□ Flat QLED 4K TV (32 · 43 · 50 · 55 · 60 · 65 · 70 · 75 · 82 · 85 · 98") <ul style="list-style-type: none"> <li>- Flagship QLED maximizes viewing experience with unrivaled picture quality within 4K (AI/brightness/viewing angle) and sound quality (OTS)</li> <li>- Maximizes immersive experience with ideal brightness contrast, free viewing angle, life-like color, and optimal brightness</li> <li>- Optimizes viewing experience by identifying user context based on voice recognition and AI technologies</li> <li>- Convenient calibration of picture quality with the touch of a button from a mobile device without expensive, professional equipment</li> <li>- Upgraded gaming experience for casual gamers through Game Bar</li> <li>- Integrates and expands the Art Store x Ambient service (available on QLED models and above); incorporates AI SoC in TV products (Q7F↑)</li> </ul> </li> </ul>
UHD TV ~March 2025	<ul style="list-style-type: none"> <li>□ Flat UHD TV (43 · 50 · 55 · 58 · 60 · 65 · 70 · 75 · 82 · 85 · 98") <ul style="list-style-type: none"> <li>- UHD Smart TV with slim, bezel-less design provides colors close to real-life</li> <li>- UHD picture quality expresses picture quality of original content through Dynamic Crystal Color and Dual LED</li> <li>- Provides a multi-media screen experience, rich content, and complete smart experience via smart home experience</li> <li>- Enhanced Smart experiences with the addition of Game Hub, IoT Hub, Chat Together, Voice Ready, Daily+ and SmartThings Mobile Plugin functions</li> </ul> </li> <li>□ Flat FHD/HD TV (24 · 27 · 32 · 40 · 43") <ul style="list-style-type: none"> <li>- FHD/HD Smart TV offering an expanded viewing experience with a three-sided bezel-less design and Full Screen UI</li> </ul> </li> </ul>
Lifestyle TV ~March 2025	<ul style="list-style-type: none"> <li>□ The SERO (43") <ul style="list-style-type: none"> <li>- Simple, modern vertical screen that rotates 360 degrees with flat-type speaker</li> <li>- Easily installed in any living space, mobile floor stand included</li> <li>- Significantly improved VoC compared to existing products with anti-glare/anti-reflective screen even for rotated form factor</li> </ul> </li> <li>□ The Frame (32 · 43 · 50 · 55 · 65 · 75 · 85") <ul style="list-style-type: none"> <li>- Design resembles a real picture frame; completes a picture frame experience</li> <li>- Exhibit various famous paintings and pictures; adopted lifestyle design which blends in with the interior</li> <li>- Additional introduction of 85" to meet the needs for ultra-large Lifestyle products</li> <li>- Completes the Real Frame experience with the anti-glare/anti-reflective screen that shows a paper-like image</li> <li>- Introduced QFLS03W equipped with 4K Wireless One Connect Box</li> </ul> </li> <li>□ The Serif (43 · 50 · 55 · 65") <ul style="list-style-type: none"> <li>- I-shaped serif font design; distinct from other products; works as beautiful interior design object</li> <li>- Additional introduction of 65" to expand the position of large screen products</li> <li>- Design that resembles a piece of furniture with the anti-glare/anti-reflective screen that shows a matte image</li> <li>- Offers a dark color option other than white (Ivy Green)</li> </ul> </li> <li>□ The Terrace (55 · 65 · 75") <ul style="list-style-type: none"> <li>- Differentiated product tailored to a lifestyle of relaxing and enjoying entertainment outdoors</li> </ul> </li> <li>□ The Premiere (100–130") <ul style="list-style-type: none"> <li>- Ultra-short-throw laser projector with high-resolution, providing a top-notch Smart UX/OTT experience</li> <li>- Complements any environment with blended design, can be placed directly in front of a wall and has an easily adjustable screen size.</li> <li>- Complete experience of our TV models including the differentiated picture quality and sound</li> </ul> </li> <li>□ The Freestyle (30"–100") / Freestyle Rev (30"–100") <ul style="list-style-type: none"> <li>- Movable Smart Screen that enables users to enjoy content anytime, anywhere</li> <li>- Easy to set up in various locations and provides an optimal viewing experience regardless of angle/distance (Auto Focus/Auto Keystone)</li> <li>- Added usability via the basic cradle, enabling easy placement in various locations; and the socket adapter expands usability.</li> </ul> </li> </ul>
Micro-LED TV ~December 2023	<ul style="list-style-type: none"> <li>□ Micro-LED Screen (76 · 89 · 101 · 114" TFT based) <ul style="list-style-type: none"> <li>- Next-generation flagship model that satisfies premium customer and distribution needs</li> <li>- Released completed version of TFT glass-based 12.7" module (pitch 0.51) microLED Screen</li> <li>- microLED Processor: creates vivid 3D picture quality based on AI scaling + HDR enhancing features</li> </ul> </li> </ul>
Sound Bar ~March 2025	<ul style="list-style-type: none"> <li>□ Sound Bar Q990B <ul style="list-style-type: none"> <li>- Industry's first wireless ATMOS transmission from TV to soundbar</li> <li>- Provides the optimal Cinema True ATMOS just like in the cinema, utilizing all channels of TV and soundbar</li> <li>- Equipped with soundbar room-correction technology</li> </ul> </li> <li>□ Sound Bar Q990F <ul style="list-style-type: none"> <li>- Delivers optimized immersive audio experience using AI</li> <li>- Newly applied high-quality sound codecs (RAAT, IMAF) and certified as Roon ready</li> <li>- Improved low-vibration output with dual unit low-vibe compact woofer</li> </ul> </li> </ul>

DX Division	
Research project	Details
Monitor ~March 2025	<ul style="list-style-type: none"> <li>□ Smart monitor M80B (32") <ul style="list-style-type: none"> <li>- Ultra-slim, flat back, lifestyle design that adopts Warm White color</li> <li>- An in-box magnetic-mount webcam for video communication</li> <li>- Strengthened smart experiences (watching VOD/connecting mobile devices/PC-less function/IoT/communication/game)</li> </ul> </li> <li>□ Gaming monitor G85NB (32") <ul style="list-style-type: none"> <li>- World's first UHD 240Hz 1ms (GTG) gaming monitor with premium gaming performance features (1000R Curved)</li> <li>- Odyssey Neo that offers a new level of picture quality experience (Mini LED; Quantum HDR2000)</li> </ul> </li> <li>□ World's first 1000R large game screen G97NB (55") <ul style="list-style-type: none"> <li>- Offers top-notch immersive experience with a large screen-size without viewing-angle limitations—even near-field viewing angles—via 1000R; 16:9; 55" Big Curved Screen</li> <li>- Provides a new immersive experience, almost like sitting in the cockpit of a space shuttle, by allowing users to rotate the screen vertically and in any direction</li> <li>- Game-exclusive panel that offers a 4K 165Hz refresh rate and 1ms response time</li> </ul> </li> <li>□ QD-OLED gaming monitor (G85SB 34") <ul style="list-style-type: none"> <li>- Exquisite expression of various colors with the combination of True RGB self-luminous display and quantum dot technology</li> <li>- Can play games with an extremely fast response time of 0.1ms and clear screen with 175Hz refresh rate</li> <li>- Implemented an all-in-one game streaming discovery platform, including cloud gaming and consoles, with the adoption of the Samsung Gaming Hub</li> </ul> </li> <li>□ 5K ultra-high resolution monitor (S90PC 27") <ul style="list-style-type: none"> <li>- 5K (5120x2880) resolution that expresses more information, with at least 50% more pixels compared to a 4K monitor</li> <li>- Matte Display reduces glare without a monitor hood and eliminates distortion, thus protecting your eyesight</li> <li>- Equipped with thunderbolt 4 and miniDP; compatible with both MAC/Windows</li> <li>- "Smart Screen" can be customized to satisfy your work/daily life/space needs</li> </ul> </li> <li>□ DUHD Flagship Gaming Monitor (G95NC 57") <ul style="list-style-type: none"> <li>- Allows users to experience maximum immersion with the new super large form factor (57") and ultra-high definition Dual UHD (7680X2160)</li> <li>- Can play games with a clear screen with 240Hz refresh rate and extremely fast 1ms response time</li> </ul> </li> <li>□ Glasses-free 3D Gaming monitor (G90XF 27") <ul style="list-style-type: none"> <li>- Delivers immersive experience by enabling 3D content viewing without 3D glasses</li> <li>- Provides dedicated SW (Reality Hub) for 2D ↔ 3D conversion and 3D activation</li> <li>- Enables clearer visuals for smoother gameplay with a 165Hz refresh rate and 1ms ultra-fast response time</li> </ul> </li> </ul>
Signage ~June 2023	<ul style="list-style-type: none"> <li>□ LCD-based B2B Smart Signage (LFD, hotel TV, video wall, outdoor, etc.) (13 · 24 · 32 · 43 · 49 · 50 · 55 · 65 · 75 · 85 · 98")</li> <li>□ Indoor/outdoor signage using LED</li> <li>□ All-in-one Kiosk (24"); all additional equipment embedded <ul style="list-style-type: none"> <li>- Payment platform for developing Tizen payment module and ordering app; antibacterial finishing</li> </ul> </li> </ul>

DX Division	
Research project	Details
Home appliances	
Refrigerators ~February 2025	<ul style="list-style-type: none"> <li>□ 177cm one-door built-in fridge enters the European market <ul style="list-style-type: none"> <li>- Expanded lineup of built-in packages</li> <li>- Highest energy rating based on new standards</li> <li>- Secured superior capacity of the indirect cooling system</li> <li>- Differentiated features of fresh storage of food (high-humidity refrigeration) and temperature flexibility (freezer→refrigerator)</li> </ul> </li> <li>□ Address replacement demand and new demand for 48" refrigerators in the North American market <ul style="list-style-type: none"> <li>- Large capacity of 27.4cf for a built-in refrigerator</li> <li>- Differentiated Ice &amp; Water Solution (auto fill water pitcher; dual auto ice maker)</li> <li>- Soft-closing doors give the product an high-quality, luxurious ambience</li> </ul> </li> <li>□ Introduced a super-gap energy model in Korea (achieved first-class rating for its ultra-energy-efficiency; 22% achieved the first-class) <ul style="list-style-type: none"> <li>- Applies one of the world's most efficient compressor (W1; EER 9.3)</li> <li>- Reduced the SET heat load (with increased VIP Coverage)</li> <li>- Enhanced heat dissipation in machine room (additional side cooling on the comp side)</li> </ul> </li> <li>□ Global Wide BMF Refrigerator <ul style="list-style-type: none"> <li>- Offers high-efficiency energy rating, incorporates AI Energy mode, and saves energy cost</li> <li>- Expands usable interior space with SpaceMax, offering convenient storage</li> <li>- Offers smart services (e.g. automatic lighting adjustments by time of day) based on SmartThings</li> </ul> </li> <li>□ Custom Refrigerator for home specs in China home (W83cm) <ul style="list-style-type: none"> <li>- Enables seamless installation to fit perfectly in the kitchen with zero gap on both left/right sides to give a built-in look</li> <li>- Application of AI energy mode to reduce actual energy usage (China Energy Label Grade 1)</li> <li>- Provides specialize storage for food materials at optimal temperature and humidity with dry/wet boxes</li> <li>- Applies Wide Open, an automatic wide door opening feature</li> </ul> </li> <li>□ Refrigerator applying Peltier <ul style="list-style-type: none"> <li>- Achieves highest efficiency and maximum energy grade by applying Peltier and utilizing waste heat</li> <li>- Combines advantages of two cooling methods (compressor + Peltier) to create value <ul style="list-style-type: none"> <li>• Achieves energy savings of 30% for Energy Grade 1 (compared to the previous 22% savings for the same grade)</li> <li>• Offers additional useable interior space with more compact Peltier cooling system (875L→ 900L)</li> </ul> </li> </ul> </li> <li>□ Built-In BMF refrigerator for European market <ul style="list-style-type: none"> <li>- Achieves highest-efficiency energy rating for large capacity (380L ↑) Built-In BMF in the European market</li> <li>- Applies AI Energy mode, reducing energy consumption by 10% or more compared to products of the same class</li> <li>- Offers full indirect cooling system and switch function from freezer mode to refrigerator mode</li> </ul> </li> <li>□ Introduced 4-door kimchi refrigerator equipped with subdivisions and maturing function in the Korean market <ul style="list-style-type: none"> <li>- Provides separate spaces for storing food ingredients and low temperature maturation <ul style="list-style-type: none"> <li>• Enhanced usability with various modes such as kimchi maturation, meat thawing, dough fermentation, etc.</li> </ul> </li> <li>- Introduced high-efficiency model with Grade 1 energy label based on revised energy standard</li> </ul> </li> <li>□ Introduced auto-open 4-door Kimchi refrigerator for Korean market <ul style="list-style-type: none"> <li>- Enhanced convenience in use with the application of an automatic door opening feature</li> <li>- Storage of various food ingredients is possible with odor reducing kimchi container <ul style="list-style-type: none"> <li>• Customized maturation space available for ripening, thawing, and fermentation</li> </ul> </li> </ul> </li> <li>□ TMF refrigerator for responding energy regulations in India <ul style="list-style-type: none"> <li>- Changes in external design (Flat Door applied)</li> <li>- AI Energy Mode applied (Wi-fi applied and integrated PBA reflected to all models)</li> </ul> </li> <li>□ 36" FDR refrigerator for North American market <ul style="list-style-type: none"> <li>- Provides multi-device experience and optimized contents tailored to consumers through AI Home</li> <li>- Equipped with large 32" screen through Family Hub</li> <li>- Equipped with Auto Open Door for hands-free convenience</li> </ul> </li> <li>□ Global 36" T-Type FDR refrigerator <ul style="list-style-type: none"> <li>- Offers optimal contents customized to consumer's situation though 9" LCD and Bixby LLM</li> <li>- AI Vision Inside 2.0, expansion of automatic food recognition technology</li> <li>- Strengthened capacity and energy efficiency with the introduction of AI Hybrid</li> <li>- Equipped with Auto Open Door for hands-free convenience</li> <li>- Non-foaming door and Zero Cap (Kitchen Fit); introduced in March</li> </ul> </li> </ul>



DX Division	
Research project	Details
Washer ~March 2025	<ul style="list-style-type: none"> <li>□ Grande AI 24kg washer               <ul style="list-style-type: none"> <li>- 24kg, Flat Design (glass type)</li> <li>- Features pet-care cycle (removes stains, smell, and allergens)</li> <li>- Applied auto door opening (door opens automatically after the washing cycle ends)</li> </ul> </li> <li>□ BESPOKE Grande AI Onebody Top-Fit               <ul style="list-style-type: none"> <li>- BESPOKE Grande AI all-in-one washer for Korean market</li> <li>- One-body design with 21 kg washer and 17 kg dryer all-in-one combo</li> <li>- Simple flat design</li> </ul> </li> <li>□ BESPOKE AI Washer-Dryer Combo               <ul style="list-style-type: none"> <li>- ONE Solution: Convenient washing and drying without transferring laundry</li> <li>- AI Home: Easy operation with touch screen and voice-recognition</li> <li>- AI customized course: Operation of optimized course based on laundry type</li> </ul> </li> <li>□ SSEC 24" 9kg Slim Combo               <ul style="list-style-type: none"> <li>- Space Max technology applied: Able to wash large 9 kg loads at once even in small living spaces</li> <li>- AI Energy Mode: Further reduction of electricity usage (reducing up to 70% when using AI Energy mode)</li> <li>- Ductless type Combo platform allows up to 50% reduction in drying time compared to existing Samsung models</li> <li>- Enhanced washing performance and user convenience with AI Wash, AI EcoBubble, Flex Auto Dispenser, etc.</li> </ul> </li> <li>□ 27" Vented Combo for North America               <ul style="list-style-type: none"> <li>- Applied vent drying method</li> <li>- Improved consumer user experience with All-in-One capabilities and AI Home</li> <li>- Provides optimized courses with reduced consumer involvement through AI Optiwash &amp; Dry</li> <li>- Offers differentiated pod with Auto Open Door and Easy Lint Clean filter</li> </ul> </li> </ul>

DX Division	
Research project	Details
Air conditioner ~February 2025	<ul style="list-style-type: none"> <li>□ Increased revenue in the European market with an enhanced lineup that adopts the new the EHS platform <ul style="list-style-type: none"> <li>- Low-frequency noise regulation: met limits for noise regulation of each European country, centering on Germany</li> <li>- Reinforced low-temperature performance: full heating performance at -25℃</li> <li>- High-temperature discharged water: discharged water of up to 70℃ in a single heat pump cycle</li> <li>- Differentiated design: deep dark color 1 fan outdoor AC unit that harmoniously blends in with the living environment</li> </ul> </li> <li>□ BESPOKE wind-free air conditioner WindowFit <ul style="list-style-type: none"> <li>- Wind-free mode cools air without directly blowing wind into the room</li> <li>- Low-noise mode, with a 32dB level, reduces vibration and noise for better sleep</li> <li>- Selection of high efficient energy saving modes tailored to different situations</li> <li>- Enhanced cooling capabilities and larger fans enable stronger and more consistent cooling for a wider area</li> <li>- Safe and simple installation kit allows for a seamless installation</li> </ul> </li> <li>□ Infinite Line 1Way BESPOKE wind-free built-in air conditioner <ul style="list-style-type: none"> <li>- Ambient indirect edge lighting that creates a natural ambiance in the space</li> <li>- Wind-free on wider area with high-efficiency energy saving mode</li> <li>- 8-stage care system including for management of air quality and the inside of the air conditioner</li> <li>- AI energy mode for energy reduction tailored to different situations</li> </ul> </li> <li>□ New platform for the new Eco Heating System refrigerant (R290) for the European market <ul style="list-style-type: none"> <li>- Introduced a new refrigerant (R290) solution to comply with 2027 regulations</li> <li>- High-temperature discharged water (max 75℃) for boiler market's alternatives</li> <li>- Achieved low noise (minimum 35dBA)</li> </ul> </li> <li>□ Indoor EHS hydro units (integrated tank and wall-mounted) for European market <ul style="list-style-type: none"> <li>- Integrated energy management solution enhances customer experience and convenience(with energy saving based on CX-MDE)</li> <li>- Reduces annual power consumption by 15% compared to competitors thanks to AI Energy and industry's most efficient performance in water heating</li> <li>- Slim Fit design to capture growing demand for multi-family housing (e.g. apartment) in European market</li> </ul> </li> <li>□ Introduced new innovative high-efficiency platform for the main product of system air conditioners, DVM S <ul style="list-style-type: none"> <li>- Achieved top energy-efficiency rating in Canada, securing leadership in IEER efficiency compared to competitors' products</li> <li>- Achieved maximum capacity in Canadian market (maximum 20 tons vs. Company D's maximum 14 tons)</li> <li>- Maximum heating operation temperature range in Canada <ul style="list-style-type: none"> <li>• Samsung Electronics -30~24℃; Company D -25~16℃; Company X -30~16℃</li> </ul> </li> </ul> </li> <li>□ Secured RAC competitiveness through module efficiency enhancement and development of new outdoor unit <ul style="list-style-type: none"> <li>- Secured product competitiveness by incorporating smart features into all RAC models (AI Energy Saving) and converting them to DC</li> <li>- Enhanced cost competitiveness by reducing the number of parts</li> <li>- Secured volume competitiveness for 9/12K STD-grade outdoor units (reduced from the existing 104L to 85L, 19%↓)</li> <li>- Satisfied energy subsidy conditions for the Italian market</li> <li>- Twin compressor applied to reduce vibration and noise and expand operation range under low-load conditions</li> </ul> </li> <li>□ Introduced new R32 models to align with North American refrigerant regulation (effective from January 1, 2025, based on customs clearance) <ul style="list-style-type: none"> <li>- Applied Wi-Fi BLE function</li> <li>- Offers a comfortable dehumidification operation using humidity sensors</li> </ul> </li> <li>□ Introduced integrated residential air conditioning indoor units (AI Air Combo product) <ul style="list-style-type: none"> <li>- Provides a comprehensive residential HVAC solution with the combination of ventilation/purification with system air conditioner for consistent temperature and dehumidification</li> <li>- Separates temperature and humidity control for comfortable cooling without overcooling; energy savings of up to 40%</li> <li>- Strengthens competitiveness of Korean residential system air conditioners through the integration of AI Air Combo and DVM Home</li> </ul> </li> </ul>

DX Division	
Research project	Details
Vacuums ~March 2025	<ul style="list-style-type: none"> <li>□ Bespoke Jet AI Vacuum (up to 280W suction) <ul style="list-style-type: none"> <li>- Continued to enhance suction power and the original POD (Clean Station); increased market share</li> <li>- Enabled world's strongest suction power of up to 280W, which ensures powerful and hygienic cleaning</li> <li>- Auto setting of the optimal cleaning mode and provides maintenance guidance based on self-diagnosis</li> </ul> </li> <li>□ Jet Stick Vacuum 4.0 High-temperature cleaning brush <ul style="list-style-type: none"> <li>- Damp cloth brush that directly sprays high-temperature water onto stains</li> <li>- Effectively removes stains by directly spraying high-temperature water (approximately 50 °C or above) onto the floor</li> <li>- Quick preheating (around 20 seconds) and at least 30 minutes of use with one battery</li> <li>- Enables convenient cleaning with lightweight damp cloth (1.51kg); no need to attach extra battery</li> </ul> </li> <li>□ Bespoke AI steam—wet &amp; dry robot vacuum for Korean market <ul style="list-style-type: none"> <li>- Able to separate wet and dry functions/AI-floor recognition/AI-object recognition</li> <li>- Rotational wet mop featuring automatic removal, with features preventing carpet contamination</li> <li>- Self-cleaning station; automatic mop cleaning/drying with steam sterilization</li> </ul> </li> <li>□ 400W high-suction stick vacuums <ul style="list-style-type: none"> <li>- Delivers powerful cleaning performance with world-class 400W suction</li> <li>- Ensures hygienic cleaning with no concern over fine dust emissions with HEPA</li> <li>- Optimizes cleaning by sensing the environment and reducing battery consumption with AI mode 2.0</li> <li>- Active slim brush designed for lighter weight and wider cleaning coverage</li> <li>- Air blower easily removes hard-to-see dust</li> </ul> </li> </ul>
Gas oven ~August 2023	<ul style="list-style-type: none"> <li>□ Dacor 48" Pro-Range for North American market <ul style="list-style-type: none"> <li>- 48" all Gas Pro range introduction, Transitional(Chef) look design on the exterior adoption</li> <li>- Incorporated healthier cooking POD features, such as air fry and air sous-vide</li> <li>- Equipped with a 7" pop-up display</li> </ul> </li> <li>□ Dacor 48" Pro-Range (Dual Fuel) for North American market <ul style="list-style-type: none"> <li>- Introduced 48" Dual Fuel Pro range, with transitional (Chef) look design on the exterior</li> <li>- Dual fuel, with electricity for the oven and gas for the cooktop</li> <li>- Applied 6 burners + griddle cooktop specifications</li> <li>- Combination of small oven 12" (new platform) + big oven 36" (previous platform)</li> <li>- Provides Steam Assist function</li> </ul> </li> </ul>
Dishwasher ~January 2025	<ul style="list-style-type: none"> <li>□ Strengthened product competitiveness in the North American premium market through differentiation of key specs <ul style="list-style-type: none"> <li>- Achieved top-tier energy efficiency with Energy Star Most Efficient certification; reached the lowest noise level of 38dBA</li> <li>- Strengthened rack usability: application of extra-large 3rd rack, Storm Wash Zone, and Glide (soft) Rail</li> <li>- Strengthened convenience: application of Auto Open Door</li> </ul> </li> </ul>
<b>Mobile eXperience</b>	
Galaxy Foldable ~October 2024	<ul style="list-style-type: none"> <li>□ Galaxy Z Fold5 (August 2023) <ul style="list-style-type: none"> <li>- Screen (main/sub): 7.6" QXGA+ (2176 x 1812) / 6.2" HD+ (2316 x 904)</li> <li>- Size (H x W x D) &amp; weight: open 154.9 x 129.9 x 6.1mm; close 154.9 x 67.1 x 13.4mm; 253g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 2; Android 13, One UI 5.1.1</li> <li>- Slim, flat-folding design with the application of the Dumbbell Flex Hinge (waterdrop design)</li> <li>- Improved portability with an enhanced grip by reducing weight and thickness</li> <li>- Enhanced user experience by optimization for a large screen</li> <li>- Two-handed mode: Touch and hold the app/content with one hand and perform the action you like to carry out with the other <ul style="list-style-type: none"> <li>• Taskbar optimization: Shows more recently used apps (2→4 apps); automatically extends the navigation bar</li> <li>• Enhanced Multi window switch function: Able to switch popup windows into the multi-window easily on the home screen</li> <li>• Gaming optimization: Set the preferred resolution for most-used games in advance</li> </ul> </li> <li>- Enhanced durability: Strengthened shock absorption layers within display and changed structure of the hinge set</li> <li>- Slim and lightweight S Pen and Case: Reduced the thickness and weight of S Pen and its case by changing their shape</li> </ul> </li> <li>□ Galaxy Z Flip 5 (August 2023) <ul style="list-style-type: none"> <li>- Screen (main/sub): 6.7" FHD+ (2640 x 1080) / 3.4" (748 x 720)</li> <li>- Size (H x W x D) &amp; weight: open 165.1 x 71.9 x 6.9mm; close 85.1 x 71.9 x 15.1mm; 187g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 2; Android 13.0; One UI 5.1.1</li> <li>- Enlarged cover screen (1.9" →3.4") with an optimized design</li> <li>- Enhanced grip by reducing thickness and applying a slim, flat-folding design with a new hinge</li> <li>- Provided key functions for differentiated user experiences and strengthened usability with the large cover screen <ul style="list-style-type: none"> <li>• Provided Fast Scroll function for 13 key widgets (music, alarm, etc.) and main apps (Samsung Wallet, message reply)</li> <li>• Add more buttons (6→ 9) on the Quick Settings panel (Mobile Data, Screen Recording, Modes 3, etc.)</li> </ul> </li> <li>- Provided various photo effects and functions using the large cover screen</li> <li>- Enhanced durability: Strengthened shock absorption layers within display and changed structure of the hinge set</li> </ul> </li> </ul>

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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy Z Fold6 (July 2024) <ul style="list-style-type: none"> <li>- Enhanced product competitiveness by offering excellent portability with thin and light weight</li> <li>- Differentiated user experience through further advanced Galaxy AI</li> <li>- Screen (Main/Sub): 7.6" QXGA+(2160 x 1856) / 6.3" HD+ (2376 x 968)</li> <li>- Size (H x W x D) &amp; weight: Open 153.5 x 132.6 x 5.6 mm; Close 153.5 x 68.1 x 12.1 mm; 239g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 3; Android 14; One UI 6.1.1</li> <li>- Innovative Galaxy Intelligence experiences with foldable form factor and Galaxy AI features <ul style="list-style-type: none"> <li>• Circle to Search, real-time translation, note/chat assist, etc.</li> <li>• Conversation/Translation Mode using dual screen, etc.</li> </ul> </li> <li>- Improved camera/gallery experience <ul style="list-style-type: none"> <li>• Photo/drawing assist, weather and time wallpapers, etc.</li> </ul> </li> <li>- Weight reduced by 14g; thickness (Close) reduced by 1.3mm; Cover Display increased by 0.1"</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy Z Flip6 (July 2024) <ul style="list-style-type: none"> <li>- Enhanced product competitiveness by improving durability</li> <li>- Differentiated user experience through further advanced Galaxy AI</li> <li>- Screen (Main/Sub): 6.7" FHD+ (2640 x 1080) / 3.4" (748 x 720)</li> <li>- Size (H x W x D) &amp; weight: Open 165.1 x 71.9 x 6.9 mm; Close 85.1 x 71.9 x 14.9 mm; 187g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 3; Android 14; One UI 6.1.1</li> <li>- Innovative Galaxy Intelligence experiences with foldable form factor and Galaxy AI features <ul style="list-style-type: none"> <li>• Circle to Search, real-time translation, photo/note/chat assist, etc.</li> <li>• Conversation Translation Mode using dual screen, Reply Recommendation in FlexWindow, etc.</li> </ul> </li> <li>- Applies high-resolution camera(Wide 50MP) and provides enhanced Flex camera experiences <ul style="list-style-type: none"> <li>• Provides clear details in low light/long distance</li> <li>• Offers convenient hands-free shooting with Auto Zoom function in Flex mode</li> </ul> </li> <li>- Improved durability of the display folding part</li> </ul> </li> </ul> <p>Strengthened screen durability and improved bending of the folding part</p>
	<ul style="list-style-type: none"> <li>□ Galaxy Z Fold SE (October 2024) <ul style="list-style-type: none"> <li>- Secured product competitiveness with wider and slimmer design and enhanced core specifications</li> <li>- Offers differentiated user experience through further evolved Galaxy AI</li> <li>- Screen (Main/Sub): 8.0" QXGA+(2184 x 1968) / 6.5" FHD+ (2520 x 1080)</li> <li>- Size (H x W x D) &amp; weight: Open 157.9 x 142.6 x 4.9 mm; Close 157.9 x 72.8 x 10.6 mm; 236g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 3, Android 14, One UI 6.1.1</li> <li>- Enhanced basic usability of foldable form factor (compared to Z Fold6) <ul style="list-style-type: none"> <li>• Reduced weight by 3g, and thickness (closed) by 1.6mm, with Main Display +0.4", Cover Display +0.2"</li> <li>• Improved usability in closed state by enhancing aspect ratio on Cover Display (21:9)</li> </ul> </li> <li>- Equipped with 200MP ultra-high resolution camera, ensuring the best camera performance among foldables</li> <li>- Offers innovative Galaxy Intelligence experience through Galaxy AI utilizing wider display <ul style="list-style-type: none"> <li>• Circle to Search, Real-time Translation, Note/Chat Assist, Chat Translation Mode using dual screen, etc.</li> </ul> </li> </ul> </li> </ul>

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Research project	Details
Galaxy S ~February 2025	<ul style="list-style-type: none"> <li>□ Galaxy S23 · S23+ · S23 Ultra (February 2023) <ul style="list-style-type: none"> <li>- Design: Ultimate Premium Experience designed for today and beyond <ul style="list-style-type: none"> <li>* Unrivaled Camera; Ultimate Gaming; Eco-conscious Design</li> </ul> </li> <li>- Screen: S23 6.1" FHD+ (2340 x 1080) S23+ 6.6" FHD+ (2340 x 1080) S23 Ultra 6.8" Quad HD+ (3088 x 1440)</li> <li>- Size (H x W x D) &amp; weight: S23 146.3 x 70.9 x 7.6 mm; 168g S23+ 157.8 x 76.2 x 7.6 mm; 195g S23 Ultra 163.4 x 78.1 x 8.9 mm; 233g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 2; Android 13; One UI 5.1</li> <li>- Enhanced low-light performance based on AI and improved video experience <ul style="list-style-type: none"> <li>• Capable of expressing precise color and tone in portrait mode even in the dark with improved color solutions leveraging AI-based scene optimization technology</li> <li>• Less camera shake for videos thanks to increased Optical Image Stabilization (OIS) correction angle (S22 Ultra 1.5°→ S23 Ultra3°)</li> </ul> </li> <li>- Offers crisp and clear, high-resolution details and high-resolution camera experience <ul style="list-style-type: none"> <li>• S23 Ultra adopted ultra-high-resolution 200MP camera</li> <li>• Provides optimal picture quality with auto adjustment of pixel size for sections with different lighting conditions</li> </ul> </li> <li>- Improved basic performance, such as heat dissipation and durability against drops <ul style="list-style-type: none"> <li>• Offers seamless gaming experience by enhancing heat dissipation performance, including improved power efficiency and revamped heat dissipation structure</li> <li>• Greater drop protection with adoption of Victus 2 Glass with durability enhanced by 21%</li> </ul> </li> <li>- S23 Ultra offers top-notch productivity experience with S pen <ul style="list-style-type: none"> <li>• AI-based recommendation of related features after text recognition from an image/video</li> </ul> </li> <li>- Improved connected experience with multiple devices (phone-PC) <ul style="list-style-type: none"> <li>• Capable of mirroring the smartphone screen on a PC and continuing browsing on the same webpage</li> </ul> </li> <li>- Adds to our sustainability story with the adoption of eco-friendly materials overall from dyes to the actual materials <ul style="list-style-type: none"> <li>• Packaging box is 100% recycled paper</li> <li>• Adopts recycled PBT resin to bond metal (10%), recycled metal materials adopted in side keys (28%), etc.</li> <li>• Incorporated recycled glass into the front and back glass panels (22%), natural dyes when processing metals, recycled PET films, etc.</li> </ul> </li> <li>- Strengthened privacy and security <ul style="list-style-type: none"> <li>• Visualization of security status; notification of sensitive information when sharing images; and limiting access to private information when repairing products</li> </ul> </li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy S24 · S24+ · S24 Ultra (January 2024) <ul style="list-style-type: none"> <li>- Introduced innovative Galaxy Intelligence experience by adopting Galaxy AI features, adding new experiences and value to daily life <ul style="list-style-type: none"> <li>• Offers AI features including circle to search, real-time interpretation, photo/note/chat assist</li> </ul> </li> <li>- Screen: S24 6.2" FHD+ (2340 x 1080) S24+ 6.7" Quad HD+ (3120 x 1440) S24 Ultra 6.8" Quad HD+ (3120 x 1440)</li> <li>- Size (H x W x D) &amp; weight: S24 147.0 x 70.6 x 7.6 mm 167g S24+ 158.5 x 75.9 x 7.7 mm; 196g S24 Ultra 162.3 x 79.0 x 8.6 mm; 232g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 3/Exynos 2400; Android 14; One UI 6.1</li> <li>- Strengthen immersive display experience through application of Slim even BM</li> <li>- Elevates a sense of design cohesion with one-mass design</li> <li>- Enhances camera shooting and gallery viewing/editing with the improved AI ProVisual Engine <ul style="list-style-type: none"> <li>• Enables clear and high quality pictures with space zoom and nightography features for camera</li> <li>• Offers Instant Slow-mo and Edit Suggestion</li> </ul> </li> <li>- Improves outdoor visibility of the display * Peak brightness: 1,750nit→ 2,600nit</li> <li>- S24 Ultra enhances durability and maximizes premium quality with a titanium metal frame</li> <li>- S24 Ultra features a high-resolution telephoto camera * 10MP (S23 Ultra)→ 50MP (S24 Ultra)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy S24 FE (October 2024) <ul style="list-style-type: none"> <li>- Balanced premium that lowers the barrier to the latest flagship experience (with Galaxy AI)</li> <li>- Screen: 6.7" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 162.0 x 77.3 x 8.0 mm, 213g</li> <li>- Platform (H/W, S/W): Exynos 2400e, Android 14, One UI 6.1</li> <li>- Offers enhanced hardware over predecessor to maximize user experience <ul style="list-style-type: none"> <li>• AP (Exynos2200→Exynos2400e), Display (6.4"→6.7"), Battery (4,500mAh→4,700mAh)</li> </ul> </li> <li>- Offers full experience based on flagship AI (Circle to Search, Live translation, AI Photo Editing, etc.)</li> <li>- Strengthened camera shooting and gallery viewing/editing with improved AI ProVisual Engine</li> <li>- Improved outdoor visibility * Peak brightness: 1,450 nits → 1,900 nits</li> </ul> </li> </ul>

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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy S25(February 2025) <ul style="list-style-type: none"> <li>- Offers new paradigm in AI experience through enhanced Galaxy AI experience <ul style="list-style-type: none"> <li>• provides new AI features, such as Now Brief, Google Gemini, Gemini Live, Audio Eraser</li> </ul> </li> <li>- Screen: S25           6.2" FHD+ (2340 x 1080)  S25+           6.7" Quad HD+ (3120 x 1440),  S25 Ultra   6.9" Quad HD+ (3120 x 1440)</li> <li>- Size (H x W x D) &amp; weight: S25           146.9 x 70.5 x 7.2mm; 162g  S25+           158.4 x 75.8 x 7.3mm; 190g  S25 Ultra   162.8 x 77.6 x 8.2mm; 218g</li> <li>- Specs and features <ul style="list-style-type: none"> <li>• Platform (H/W, S/W): Snapdragon 8 Elite, Android 15, One UI 7.0</li> <li>• Reflects the unified identity of Galaxy S series with rounded corner design</li> <li>• Slim and lightweight model through optimized assembly structure and component weight reduction  S24 7.6T → S25 7.2T, S24+ 7.7T → S25+ 7.3T, S24 Ultra 8.6T → S25 Ultra 8.2T  S24 167g → S25 162g, S24+ 196g → S25+ 190g, S24 Ultra 232g → S25 Ultra 218g</li> <li>• Improved display picture quality and battery efficiency through Galaxy-optimized processor</li> <li>• Improved camera shooting and gallery viewing/editing experience with a further developed AI ProVisual Engine (advanced 10bit HDR enables clear video shooting even in dark conditions; object-aware engine analyzes ambient lighting to deliver natural skin tones and textures and provides personalized filters by analyzing preferred photo styles with AI)</li> <li>• S25 Ultra: enhanced display glass durability with Corning Gorilla Armor 2</li> <li>• S25 Ultra: applied upgraded high-resolution and ultra-wide camera*12MP (S24 Ultra) → 50MP (S25 Ultra)</li> </ul> </li> </ul> </li> </ul>
Galaxy Tab ~October 2024	<ul style="list-style-type: none"> <li>□ Galaxy Tab S9 · S9+ · S9 Ultra (August 2023) <ul style="list-style-type: none"> <li>- Screen: Tab S9           11" WQXGA+ (2560 x 1600)  Tab S9+           12.4" WQXGA+ (2800 x 1752)  Tab S9 Ultra   14.6" WQXGA+ (2960 x 1848)</li> <li>- Size (H x W x D) &amp; weight: Tab S9           165.8 x 254.3 x 5.9mm; 498g  Tab S9+           185.4 x 285.4 x 5.7mm; 581g  Tab S9 Ultra   208.6 x 326.4 x 5.5mm; 732g</li> <li>- Platform (H/W, S/W): Snapdragon 8 Gen 2; Android 13; One UI 5.1</li> <li>- Provided large-screen experience adapted with rich color impression and various environment settings <ul style="list-style-type: none"> <li>• Adopted Dynamic AMOLED 2X technology for all models in Tab S9 series, offering clear and comfortable screen experience</li> <li>• Implemented Vision Booster technology that ensures a vibrant screen, even in direct sunlight</li> </ul> </li> <li>- Secured mobility and dependability so users can use the product anywhere without any concerns <ul style="list-style-type: none"> <li>• Achieved IP68 rating, the highest level of waterproof/dustproof accreditation</li> <li>• Armor Aluminum frame protects the product from impacts</li> <li>• Enhanced usability eco-system by introducing an S Pen that can be charged in either direction, and enhanced durability of accessories.</li> <li>• Strengthened compatibility by making the keyboard and other accessories compatible with Tab FE models</li> <li>• Introduced a new two-way heat dissipation structure using a vapor chamber, allowing users to use the product for a long time without discomfort</li> </ul> </li> <li>- Secured sufficient Android App Eco system in various areas <ul style="list-style-type: none"> <li>• Strengthened key android productivity apps, including apps for taking notes, managing documents, and browsing—e.g., Samsung note, Good note</li> <li>• Secured key apps to improve usability in drawing and photo/video editing: LumaFusion, Clip studio, etc.</li> </ul> </li> <li>- Utilized eco-friendly materials throughout the product, incorporating recycled components for the exterior and tempered glass <ul style="list-style-type: none"> <li>• Newly adopted recycled plastic on the S Pen dock surface</li> <li>• Used new recycled materials for tempered glass of the display (10%, Gorilla Glass 5)</li> <li>• Used 100% recycled paper and armor aluminum (20%) for package box and recycled plastic for interior materials</li> </ul> </li> </ul> </li> <li>□ Galaxy Tab S10+ · S10 Ultra (October 2024) <ul style="list-style-type: none"> <li>- Screen: Tab S10 Plus   12.4" WQXGA+ (2800 x 1752)  Tab S10 Ultra   14.6" WQXGA+ (2960 x 1848)</li> <li>- Size (H x W x D) &amp; weight: Tab S10 Plus   185.4 x 285.4 x 5.6 mm; 571g  Tab S10 Ultra   208.6 x 326.4 x 5.4 mm; 718g</li> <li>- Platform (H/W, S/W): Mediatek Dimensity 9300+, Android 14, One UI 6.1.1</li> <li>- Easy and convenient AI user experience using S Pen</li> <li>- Dynamic AMOLED 2X Display, 120Hz, abut-reflective coating</li> </ul> </li> </ul>



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Research project	Details
Galaxy A, M ~March 2025	<ul style="list-style-type: none"> <li>□ Galaxy A14 5G (January 2023) <ul style="list-style-type: none"> <li>- Screen: 6.6" FHD+ (2408 x 1080) 90Hz</li> <li>- Size (H x W x D) &amp; weight: 167.7 x 78.0 x 9.1mm; 201g</li> <li>- Platform (H/W, S/W): D700/Exynos1330; Android 13; One UI core 5.0</li> <li>- High-resolution pictures (5MP→13MP) with adoption of higher spec front camera compared to previous model (A13-5G)</li> <li>- Enhanced screen experience compared to previous model (A13-5G 6.5" HD+) with adoption of 6.6" FHD+ large-screen display</li> <li>- Applies 5,000mAh large-capacity battery</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A54 5G (March 2023) <ul style="list-style-type: none"> <li>- Screen: 6.4" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 158.2 x 76.7 x 8.2mm; 202 g</li> <li>- Platform (H/W, S/W): Exynos1380; Android 13; One UI 5.1</li> <li>- Improved visibility through enhanced performance of AP picture quality, fine-tuning by light condition, and peak brightness of 1,000nit</li> <li>- Maximized performance by offering optimal refresh rate of 120Hz and boosted battery efficiency</li> <li>- Provides rich haptics experience thanks to elaborate adjustment of linear motor vibration</li> <li>- Enhanced balanced design and premium CMF (adopts 6.4", 19.5:9)</li> <li>- Offers the latest flagship experience with One UI 5.1</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A34 5G (March 2023) <ul style="list-style-type: none"> <li>- Screen: 6.6" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 161.3 x 78.1 x 8.2mm; 199g</li> <li>- Platform (H/W, S/W): D1080; Android 13; One UI 5.1</li> <li>- Offers enhanced screen experience by featuring 6.6" FHD+, 1,000nit brightness, and 120Hz refresh rate</li> <li>- High-resolution pictures without camera shake with adoption of 48MP OIS camera</li> <li>- Equipped with a linear motor, which provides haptics experience of a flagship model</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A14 (March 2023) <ul style="list-style-type: none"> <li>- Screen: 6.6" FHD+ (2408 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 167.7 x 78.0 x 9.1mm; 201g</li> <li>- Platform (H/W, S/W): Exynos 850/G80; Android 13; One UI core 5.1</li> <li>- Offers enhanced selfie experience (8MP→13MP) with adoption of higher spec front camera compared to previous model (A13)</li> <li>- Applies 5,000mAh large-capacity battery</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A24 (May 2023) <ul style="list-style-type: none"> <li>- Screen: 6.5" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 162.1 x 77.6 x 8.3mm; 195g</li> <li>- Platform (H/W, S/W): G99; Android 13; One UI core 5.1</li> <li>- Enhanced selfie experience (8MP → 13MP) with adoption of higher spec front camera compared to A23</li> <li>- Records videos without camera shake via the adoption of new VDIS in addition to the previous OIS feature</li> <li>- Offers improved outdoor visibility compared to the A23, with wider color gamut spectrum, providing a brighter and more convenient screen experience</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A05s (October 2023) <ul style="list-style-type: none"> <li>- Screen: 6.7" FHD+ (2400 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 168.0 x 77.8 x 8.8mm; 194g</li> <li>- Platform (H/W, S/W): SDM680; Android 13; One UI core 5.1</li> <li>- Drives market volume/share in entry-level LTE market</li> <li>- Higher spec than the previous A04S: Equipped with high-performance AP (Exynos850 8nm→SDM680 6nm) and high- spec front camera (5MP→ 13MP)</li> <li>- Adoption of high-capacity global 5,000 mAh battery and supports 25W ultra-fast charging (15W→25W)</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A05 (October 2023) <ul style="list-style-type: none"> <li>- Screen: 6.7" HD+ (1600 x 720)</li> <li>- Size (H x W x D) &amp; weight: 168.8 x 78.2 x 8.8mm; 195g</li> <li>- Platform (H/W, S/W): G85; Android 13; One UI Core 5.1</li> <li>- Provides enhanced multimedia experiences with supports of large screen (6.7") and high-resolution camera (50MP)</li> <li>- Improves customers' product usability by incorporating high-performance AP (CPU 33%↑, GPU 150% compared to the previous model)</li> <li>- Able to use long period on a 30-minute-charge with 25W fast charging</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy A25 5G (January 2024) <ul style="list-style-type: none"> <li>- Screen: 6.5" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 161.0 x 76.5 x 8.3 mm; 197g</li> <li>- Platform (H/W, S/W): Exynos 1280; Android 14; One UI 6.0</li> <li>- Supports 6.5" FHD+ and 120Hz refresh rates for an improved viewing experience</li> <li>- Enables high-resolution shake-free photos with 50MP OIS wide-angle camera</li> <li>- Adoption of high-capacity 5,000mAh battery</li> </ul> </li> </ul>

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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy A15 (January 2024) <ul style="list-style-type: none"> <li>- Screen: 6.5" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 160.1 x 76.8 x 8.4 mm; 200g</li> <li>- Platform (H/W, S/W): [5G] D6100+ / [LTE] G99; Android 14; One UI 6.0</li> <li>- Enhances picture quality by upgrading display compared to the previous model (A14) (LCD→ Super AMOLED)</li> <li>- Adoption of high-capacity 5,000mAh battery that supports 25W fast charging</li> <li>- Enhances security and privacy protection with Knox Vault</li> </ul> </li> <li>□ Galaxy A55 5G (March 2024) <ul style="list-style-type: none"> <li>- Screen: 6.6" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 161.1 x 77.4 x 8.2 mm; 213g</li> <li>- Platform (H/W, S/W): Exynos 1480; Android 14.0; One UI 6.1</li> <li>- Provides stronger nightography and video recording experience with enhanced camera sensor and AP</li> <li>- Enhances design competitiveness by applying metal + glass and creating young &amp; energetic CMF design</li> <li>- Provides improved screen viewing experience with 6.6" FHD+ large screen display, compared to the previous A54-5g with 6.4"</li> </ul> </li> <li>□ Galaxy A35 5G (March 2024) <ul style="list-style-type: none"> <li>- Screen: 6.6" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 161.7 x 78.0 x 8.2 mm; 209g</li> <li>- Platform (H/W, S/W): Exynos 1380; Android 14.0; One UI 6.1</li> <li>- Applies HID (hole-in-display) and back glass for unique and distinctive design</li> <li>- Enhances security with Knox Vault and guarantees quality by providing four OS updates and five security maintenance releases</li> </ul> </li> <li>□ Galaxy A06 (September 2024) <ul style="list-style-type: none"> <li>- Expands entry segment volume with A06, the successor to A05 and the cheapest LTE model for SEC</li> <li>- Screen: 6.7"HD+ (1600 x 720)</li> <li>- Size (H x W x D) &amp; weight: 167.3 x 77.3 x 8.0 mm; 189g</li> <li>- Platform (H/W, S/W): G85; Android 14; One UI 6.1</li> <li>- Applies large screen slim design with thickness of 8.00mm)</li> <li>- Supports side fingerprint and strengthens data security with Samsung Knox Vault security solution</li> </ul> </li> <li>□ Galaxy A16 5G (October 2024) <ul style="list-style-type: none"> <li>- Successor to A15 5G to address growth in the entry-level 5G market</li> <li>- Screen: 6.7"FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 164.4 x 77.9 x 7.9 mm, 200g</li> <li>- Platform (H/W, S/W): Exynos 1330 / D6300, Android 14, One UI 6.1</li> <li>- Applied large 6.7" display and slim design (thickness: 7.9mm)</li> <li>- Supports 6 OS updates and 6 years of SMR updates; IP54 rating for water and dust resistance</li> </ul> </li> <li>□ Galaxy A16 (November 2024) <ul style="list-style-type: none"> <li>- Successor to A15 to address market demand for entry-level LTE</li> <li>- Screen: 6.7"FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 164.4 x 77.9 x 7.9 mm, 200g</li> <li>- Platform (H/W, S/W): G99, Android 14, One UI 6.1</li> <li>- Applied large 6.7" display and slim design (thickness: 7.9mm)</li> <li>- Supports 6 OS updates and 6 years of SMR updates; IP54 rating for water and dust resistance</li> </ul> </li> <li>□ Galaxy A06 5G(2025.02.) <ul style="list-style-type: none"> <li>- Entry-level 5G model and volume driver</li> <li>- Screen: 6.7" HD+ (1600 x 720)</li> <li>- Size (H x W x D) &amp; weight: 167.3 x 77.3 x 8.0mm; 191g</li> <li>- Specs and features <ul style="list-style-type: none"> <li>• Platform (H/W, S/W): D6300, Android 15, One UI Core 7.0</li> <li>• Introduced entry-level model in 5G segment and applied slim design (8.0mm) and large display (6.7")</li> <li>• Applied IP54; enhanced data security through side fingerprint recognition and integration of Samsung Knox Vault</li> </ul> </li> </ul> </li> <li>□ Galaxy M16 5G (2025.02.) <ul style="list-style-type: none"> <li>- 5G Entry JDM model for online sales in Southwest Asia</li> <li>- Screen: 6.7" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 164.4 x 77.9 x 7.9mm, 191g</li> <li>- Specs and features <ul style="list-style-type: none"> <li>• Platform (H/W, S/W): D6300, Android 14, One UI Core 6.1</li> <li>• Applied Super AMOLED and is equipped with 50MP+5MP+2MP/13MP cameras</li> <li>• Equipped with a 5,000mAh high capacity battery that supports 25W fast charging</li> <li>• Enhanced security and privacy protection with Knox Vault support</li> </ul> </li> </ul> </li> </ul>



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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy A56 5G (2025.03.) <ul style="list-style-type: none"> <li>- Successor to A55 5G with strengthened real-world usability in core specifications to enhance competitiveness in high-end segment</li> <li>- Screen: 6.7" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 162.2 x 77.5 x 7.4mm; 198g</li> <li>- Specs and features <ul style="list-style-type: none"> <li>• Platform (H/W, S/W): Exynos 1580, Android 15, One UI 7.0</li> <li>• Premium design with a slimmer and lighter body (thickness 8.2T→7.4T, weight 213g→198g)</li> <li>• Offers enhanced selfie video recording experience and a brighter, clearer nightography compared to previous generation (applied 12MP front camera with new sensor and 10bit HDR / rear wide and front camera LN mode)</li> <li>• Leverages AI to rapidly optimize picture quality and provides diverse photo-editing experiences (offers AI segmentation, AI Powered Context-Aware, Edit Suggestion, Image Clipper, etc.)</li> <li>• Delivers exceptional performance with a powerful AP and cooling system (AP Rose→Santa, Vapor Chamber Size↑)</li> </ul> </li> </ul> </li> <li>□ Galaxy A36 5G (2025.03.) <ul style="list-style-type: none"> <li>- Successor to A35 5G with enhanced design and strengthened core experiences for real-world usability</li> <li>- Screen: 6.7" FHD+ (2340 x 1080)</li> <li>- Size (H x W x D) &amp; weight: 162.9 x 78.2 x 7.4mm, 195g</li> <li>- Specs and features <ul style="list-style-type: none"> <li>• Platform (H/W, S/W): Snapdragon 6 Gen3, Android 15, One UI 7.0</li> <li>• Offers 7.4t Slim Design, 6.7" FHD+ Super AMOLED Display, 45W Fast Charging</li> <li>• Leading the popularization of mobile AI through the application of Awesome Intelligence * Object Eraser, AI Select, etc.</li> <li>• IP67 rating for water and dust resistance</li> </ul> </li> </ul> </li> <li>□ Galaxy A26 5G(2025.03.) <ul style="list-style-type: none"> <li>- Enhanced design and real-world usability to strengthen competitiveness in the mid segment 5G market</li> <li>- Screen: 6.7" FHD+ (2340 x 1080)</li> <li>- Size(H x W x D) &amp; weight: 164.0 x 77.5 x 7.7mm, 200g</li> <li>- Specs and features <ul style="list-style-type: none"> <li>• Platform (H/W, S/W): Exynos 1380 / Exynos1280 (LA only), Android 15, One UI 7.0</li> <li>• Strengthened design competitiveness with the application of 7.7t Slim Design, 6.7" FHD+ Super AMOLED Display, and Glass CMF</li> <li>• Leading the popularization of mobile AI through the application of Awesome Intelligence * Object Eraser, AI Select, etc.</li> <li>• IP67 rating for water and dust resistance</li> </ul> </li> </ul> </li> </ul>
Galaxy Book ~February 2025	<ul style="list-style-type: none"> <li>□ Galaxy Book3 Ultra (February 2023) <ul style="list-style-type: none"> <li>- Screen: 16.0" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 355.4 x 250.5 x 16.5mm; 1.79kg,</li> <li>- Intel® Core™ Processor(13 Gen); Win 11, LPDDR5, NVIDIA® GeForce RTX™ 4050/4070; 76W Battery; FHD MIPI Camera, A/C/D AI; B Glass; TA 100W</li> <li>- Adopts 13th Gen Intel® Core™ H-series mobile processor and next-generation Nvidia® GeForce RTX™ 40 Series graphics</li> <li>- 3K high-resolution display that adopts WQXGA+; color volume 120%</li> <li>- Touch pad 39% larger in size (compared to Galaxy Book 2 Pro 33.7 cm / 39.6cm)</li> <li>- Fast charging speed of 100W; charges 55% of battery in 30 minutes</li> <li>- Quad Speaker: features AKG and Dolby Atmos</li> <li>- Supports Galaxy Ecosystem <ul style="list-style-type: none"> <li>• Multi Control: capable of using keyboard and mouse on a smartphone and a tablet; can transfer files or copy and paste files and images between devices</li> <li>• Second Screen: using Galaxy Tab as a dual monitor; capable of extending or replicating PC screen</li> <li>• Quick Share: wireless file sharing between Galaxy devices, such as phone and tablet</li> </ul> </li> </ul> </li> </ul>

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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy Book3 Pro 360 (February 2023) <ul style="list-style-type: none"> <li>- Screen: 16.0" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 16.0" 355.4 x 252.2 x 12.8mm; 1.66kg</li> <li>- Platform, OS: Intel® Core™ Processor (13 Gen); Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880x1800); 500nit (HDR); 120Hz, DCI-P3 120%</li> <li>- S Pen &amp; Touchscreen support</li> <li>- 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center of the screen)</li> <li>- Quad SPK (AKG/Dolby, Max 5Wx2, 2Wx2), Studio Grade Dual Mic</li> <li>- SSD: Gen4 SSD</li> <li>- Supports WiFi 6E</li> <li>- Battery: 76Wh</li> <li>- Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, Samsung Pass, etc.</li> <li>- Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy Book3 Pro (February 2023) <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800) 14" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight 16" 355.4 x 250.4 x 12.5mm; 1.56kg 14" 312.3 x 223.8 x 11.3mm; 1.17kg</li> <li>- Platform, OS: Intel® Core™ Processor(13 Gen); Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880 x 1800), 500nit (HDR); 120Hz, DCI-P3 120%</li> <li>- 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center of the screen)</li> <li>- Quad SPK (AKG/Dolby, Max 5Wx2, 2Wx2), Studio Grade Dual Mic</li> <li>- SSD: Gen4 SSD, Expendable SSD (M.2 2280)</li> <li>- Supports WiFi 6E</li> <li>- Battery: 16" 76Wh, 14" 63Wh</li> <li>- Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, Samsung Pass, etc.</li> <li>- Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy Book3 360 (February 2023) <ul style="list-style-type: none"> <li>- Screen: 15.6" FHD (1920 x 1080) 13.3" FHD (1920 x 1080)</li> <li>- Size (W x H x D) &amp; weight: 15.6" 355.4 x 228.0 x 13.7mm; 1.49kg 13.3" 304.4 x 202.0 x 12.9 mm; 1.16kg</li> <li>- Platform, OS: Intel® Core™ Processor(13 Gen); Windows 11</li> <li>- sAMOLED: 1080p FHD; 500nit (HDR), 60Hz, DCI-P3 120%</li> <li>- S Pen &amp; Touchscreen support</li> <li>- 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center of the screen)</li> <li>- Stereo SPK (Dolby, 2Wx2), Studio Grade Dual Mic</li> <li>- SSD: Gen4 DRAM-less SSD, Expendable SSD (15.6")</li> <li>- Supports WiFi 6E</li> <li>- Battery: 15.6" 68Wh, 13.3" 61.1Wh</li> <li>- Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, Samsung Pass, etc.</li> <li>- Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy Book4 Ultra (January 2024) <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 355.4 x 250.4 x 16.5mm; 1.86kg</li> <li>- Platform/OS: Intel® Core™ Ultra Processor, Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, color volume 120% (DCI-P3 basis), 500nit (HDR)</li> <li>- Graphic: NVIDIA® GeForce RTX™ 4050/4070</li> <li>- AKG Quad speaker (Woofer Max 5W x 2, Tweeter 2W x 2), Smart Amp, Dolby Atmos®, 2M Camera</li> <li>- Memory, SSD: LPDDR5X, NVMe SSD</li> <li>- Bluetooth v5.3, WiFi 6E, 802.11 ax 2x2</li> <li>- Battery: 76Wh</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>□ Galaxy Book4 Pro 360 (January 2024) <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 355.4 x 252.2 x 12.8mm; 1.66kg</li> <li>- Platform/OS: Intel® Core™ Ultra Processor, Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, 120% color volume (DCI-P3 basis), 500nit (HDR), S pen</li> <li>- Graphic: Intel® Arc™ Graphics</li> <li>- AKG Quad speaker (Woofer Max 5W x 2, Tweeter 2W x 2), Smart Amp, Dolby Atmos®, 2M Camera</li> <li>- Memory, SSD: LPDDR5X, NVMe SSD</li> <li>- Bluetooth v5.3, WiFi 6E, 802.11 ax 2x2</li> <li>- Battery: 76Wh</li> </ul> </li> </ul>

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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy Book4 Pro (January 2024) <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800) 14" WQXGA+ (2880 x 1800)</li> <li>Size (W x H x D) &amp; weight: 16" 355.4 x 250.4 x 12.5mm; 1.56kg 14" 312.3 x 223.8 x 11.6mm; 1.23kg</li> <li>- Platform/OS: Intel® Core™ Ultra Processor; Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880x1800); 120Hz, 120% color volume (DCI-P3 basis); 500nit (HDR)</li> <li>- Graphic: Intel® Arc™ Graphics</li> <li>- AKG Quad speaker (Woofer Max 5W x 2, Tweeter 2W x 2); Smart Amp, Dolby Atmos®, 2M Camera</li> <li>- Memory, SSD: LPDDR5X; NVMe SSD</li> <li>- Bluetooth v5.3, WiFi 6E, 802.11 ax 2x2</li> <li>- Battery: 16" 76Wh, 14" 63Wh</li> </ul> </li> <li>□ Galaxy Book4 Edge (June 2024) <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800) 14" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 16" 355.4 x 250.4 x 12.3mm; 1.55kg 14" 312.3 x 223.8 x 10.9mm; 1.16kg</li> <li>- Platform/OS: Qualcomm Snapdragon X Elite (12 core), Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, color volume 120% (DCI-P3 basis), 500nit (HDR)</li> <li>- Graphic: Qualcomm Adreno</li> <li>- Quad speaker (16" Woofer Max 5W x2, Tweeter 2W x 2, 14" Woofer Max 4W x2, Tweeter 2.7W x 2), Dolby Atmos, 2M Camera</li> <li>- Memory, SSD: 16"16GB, eUFS 512GB,1TB / 14"16GB, eUFS 512GB</li> <li>- Bluetooth v5.3, WiFi 7, 802.11 a/b/g/n/ac/ax/be</li> <li>- Battery: 16" 61.8Wh, 14"55.9Wh</li> <li>- Features AI functions to lead Next Gen AI PC market</li> </ul> </li> <li>□ Galaxy Book5 Pro 360 (September 2024) <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 355.4 x 252.2 x 12.8mm; 1.69kg</li> <li>- Platform/OS: Intel® Core™ Ultra Processor, Windows 11</li> <li>- Dynamic AMOLED 2X: 3K(2880x1800), 120Hz, color volume 120% (DCI-P3 basis), 500nit(HDR), S Pen</li> <li>- Graphic: Intel® Arc™ Graphics</li> <li>- Quad speaker (Woofer Max 5W x 2, Tweeter 3.3W x 2), Smart Amp, Dolby Atmos®, 2M Camera</li> <li>- Memory, SSD: LPDDR5X, NVMe SSD</li> <li>- Bluetooth v5.4, WiFi 7, 802.11 be 2x2</li> <li>- Battery: 76.1Wh</li> </ul> </li> <li>□ Galaxy Book4 Pro 360 5G (October 2024) <ul style="list-style-type: none"> <li>- Screen: 16"WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 355.4 x 252.2 x 12.8mm, 1.73kg</li> <li>- Platform, OS: Qualcomm Snapdragon X Elite (12 core), Windows 11</li> <li>- Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, S Pen</li> <li>- Graphic: Qualcomm Adreno</li> <li>- Quad speaker ( Woofer Max 5W x 2, Tweeter 2W x 2), Smart Amp, Dolby Atmos, 2M Camera</li> <li>- Battery: 76Wh</li> </ul> </li> <li>□ Galaxy Book4 Edge (October 2024) <ul style="list-style-type: none"> <li>- Screen: 15.6"FHD (1920 x 1080)</li> <li>- Size (W x H x D) &amp; weight: 356.6 x 229.75 x 15.0mm, 1.5kg</li> <li>- Platform, OS: Qualcomm Snapdragon X Plus (8 core), Windows 11</li> <li>- Graphic: Qualcomm Adreno</li> <li>- Supports Bluetooth v5.3, WiFi 7</li> <li>- Stereo speaker (1.5 W x 2), Dolby Atmos, 2M Camera</li> <li>- Battery: 61.2 Wh</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>□ Galaxy Book5 Pro/Pro H (2025.01.)               <ul style="list-style-type: none"> <li>- Screen: 16" WQXGA+ (2880 x 1800) 14" WQXGA+ (2880 x 1800)</li> <li>- Size (W x H x D) &amp; weight: 16" 355.4 x 250.4 x 12.5mm, 1.56kg 14" 312.3 x 223.8 x 11.6mm, 1.23kg</li> <li>- Specs and features                   <ul style="list-style-type: none"> <li>• Platform: Intel® Core™ Ultra Processor Lunar lake (Pro) Intel® Core™ Ultra Processor Arrow lake (Pro H)</li> <li>• OS: Windows 11</li> <li>• Dynamic AMOLED 2X: 2880x1800, 500nit(HDR)</li> <li>• Graphic: Intel® Arc™ Graphics</li> <li>• Quad SPK Woofer Max 5W x 2; Tweeter 16" 3.3W x 2 / 14" 2W x 2; Smart Amp,</li> <li>• Dolby Atmos®, 2M Camera</li> <li>• Memory, SSD: LPDDR5X, NVMe SSD</li> <li>• Bluetooth v5.4, WiFi 7, 802.11 be 2x2</li> <li>• Battery: 16" 76.1Wh, 14" 63.1Wh</li> </ul> </li> </ul> </li> <li>□ Galaxy Book5 360 (2025.02.)               <ul style="list-style-type: none"> <li>- Screen: 15.6" FHD (1920 x 1080)</li> <li>- Size(W x H x D) &amp; weight: 355.4 x 228.0 x 13.7mm, 1.46kg</li> <li>- Specs and features                   <ul style="list-style-type: none"> <li>• Platform, OS: Intel® Core™ Ultra Processor Lunar lake, Windows 11</li> <li>• AMOLED FHD (1920x1080), 500nit(HDR)</li> <li>• Graphic: Intel® Arc™ Graphics</li> <li>• Stereo SPK (2W x 2), Dolby Atmos®, 2M Camera</li> <li>• Memory, SSD: LPDDR5X, NVMe SSD</li> <li>• Bluetooth v5.4, WiFi 7, 802.11 be 2x2</li> <li>• Battery: 68.1Wh</li> </ul> </li> </ul> </li> </ul>
Galaxy Watch ~July 2024	<ul style="list-style-type: none"> <li>□ Galaxy Watch6 &amp; Galaxy Watch6 Classic (August 2023)               <ul style="list-style-type: none"> <li>- Display: Watch6 Classic (47mm) 37.3mm Super AMOLED (480 x 480) Watch6 Classic (43mm) 33.3mm Super AMOLED (432 x 432) Watch6 (44mm) 37.3mm Super AMOLED (480 x 480) Watch6 (40mm) 33.3mm Super AMOLED (432 x 432)</li> <li>- Size (H x W x D) &amp; weight: Watch6 Classic (47mm) 46.5 x 46.5 x 10.9 mm; 59.0g Watch6 Classic (43mm) 42.5 x 42.5 x 10.9 mm; 52.0g Watch6 (44mm) 42.8 x 44.4 x 9.0 mm; 33.3g Watch6 (40mm) 38.8 x 40.4 x 9.0 mm; 28.7g</li> <li>- Platform (H/W, S/W): Exynos W930, Wear OS Powered by Samsung (Wear OS 4)</li> <li>- Design and performance that improve visibility                   <ul style="list-style-type: none"> <li>• Reduced bezel thickness and increased display size (by about 20%) compared to the previous model</li> <li>• Featured high-resolution Super AMOLED display with peak brightness of 2,000nit</li> </ul> </li> <li>- Provided enhanced sleep monitoring experience                   <ul style="list-style-type: none"> <li>• Shows sleep score via in-depth analyses of each measured factor and integrates the results</li> <li>• Offers enhanced, personalized sleep coaching program</li> </ul> </li> <li>- Introduced new features, including a more personalized fitness management program                   <ul style="list-style-type: none"> <li>• Provides a customized exercise guide by measuring heart rate within 5 cardiorespiratory capacity zones</li> <li>• Offers recording functions for track exercise, such as designation of the lane using the track running function</li> <li>• Features alarm functions to detect irregular heart rhythms</li> </ul> </li> <li>- Applied one-click band for effortless and convenient watch strip replacement</li> <li>- Strengthened performance by increasing battery capacity                   <ul style="list-style-type: none"> <li>• Applied 47/44mm 425mAh, 43/40mm 300mAh</li> </ul> </li> </ul> </li> </ul>

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Research project	Details
	<ul style="list-style-type: none"> <li>□ Galaxy Watch7 / Galaxy Watch Ultra (July 2024) <ul style="list-style-type: none"> <li>- Screen: Watch7 (44mm) 37.3mm Super AMOLED (480 x 480) Watch7 (40mm) 33.3mm Super AMOLED (432 x 432) Watch Ultra (47mm) 37.3mm Super AMOLED (480 x 480)</li> <li>- Size (H x W x D) &amp; weight: Watch7 (44mm) 44.4 x 44.4 x 9.7 mm; 33.8g Watch7 (40mm) 40.4 x 40.4 x 9.7 mm; 28.8g Watch Ultra (47mm) 47.4 x 47.1 x 12.1 mm; 60.5g</li> <li>- Platform (H/W, S/W): Exynos W1000 (5Core,3nm); Wear OS Powered by Samsung (Wear OS 5)</li> <li>- High usability with powerful hardware <ul style="list-style-type: none"> <li>• Equipped with 3nm processor for fast CPU speed and improved efficiency of current consumption</li> <li>• Equipped with dual frequency GPS system to improve GPS accuracy in complex environments</li> </ul> </li> <li>- Enhanced health monitoring function <ul style="list-style-type: none"> <li>• Offers AGEs Index measurements</li> <li>• Supports sleep apnea detection and accurate sleep measurements using advanced sleep AI algorithm</li> </ul> </li> <li>- Enhanced outdoor fitness experience by offering maximized performance (Ultra only) <ul style="list-style-type: none"> <li>• Offers signature circular design with new cushion design added</li> <li>• Applies dynamic lug system for easy attachment and perfect fit</li> <li>• Supports 10ATM water resistance and other functions to measure various fitness activities in extreme environments</li> <li>• Provides long battery life with 100 hours of power saving mode and 48-hours in exercise power saving mode</li> </ul> </li> <li>- Battery: 47mm 590mAh, 44mm 425mAh, 40mm 300mAh</li> </ul> </li> </ul>
Galaxy buds ~July 2024	<ul style="list-style-type: none"> <li>□ Galaxy Buds3 Pro / Buds3 (July 2024) <ul style="list-style-type: none"> <li>- Improved wearability through new Stem design <ul style="list-style-type: none"> <li>• Secured desirability with differentiated futuristic blade design</li> </ul> </li> <li>- Personalized sound experience through AI reflecting audio device characteristics <ul style="list-style-type: none"> <li>• Optimized noise according to surroundings and real-time sound according to wearing conditions</li> </ul> </li> <li>- Seamless communication experience through an interpretation listening mode</li> <li>- Size (H x W x D) &amp; weight: Buds3 Pro 18.1 x 19.8 x 33.2 mm; 5.4g Buds3 18.1 x 20.4 x 31.9 mm; 4.7g Cradle 48.7 x 58.9 x 24.4 mm; 46.5g</li> <li>- Platform (H/W, S/W): BES2800 (6nm)/BES2700 (14nm); RTOS</li> <li>- Improved audio quality <ul style="list-style-type: none"> <li>• Supports 24bit/96kHz UHQ *Buds2 Pro (24bit/48kHz Hi-Fi)</li> <li>• Applies separate 2 Way Speaker Buds3 Pro</li> <li>• Supports Adaptive EQ *Buds2 Pro (Fixed EQ)</li> </ul> </li> <li>- Improves call quality through design optimization <ul style="list-style-type: none"> <li>• Enhances voice clarity through application of Complex DNN/VPU solution</li> <li>• Enhances voice bandwidth with support for Super Wideband calls</li> </ul> </li> <li>- Offers intuitive operation experience with Cradle Button Pairing</li> <li>- Enhances experiences of intelligence functions <ul style="list-style-type: none"> <li>• Supports Buds3 Pro Siren/Voice Detect and Adaptive Noise Control</li> </ul> </li> <li>- Battery: Buds3 Pro 53mAh, Buds3 48mAh, Cradle 515mAh</li> </ul> </li> </ul>
Galaxy ring July 2024	<ul style="list-style-type: none"> <li>□ Galaxy Ring (July 2024) <ul style="list-style-type: none"> <li>- Expands Galaxy Health experiences with a design that can be worn at all times in daily life <ul style="list-style-type: none"> <li>- 11 sizes (size 5–15)</li> <li>- Size &amp; weight: Ring 7.0 mm (W) x 2.6 mm (D); 2.3g–3.3g (size 5–15) (Cradle) 48.9 mm (H) x 48.9 mm (W) x 24.5 mm (D); 61.3g</li> <li>- Platform (H/W, S/W): nRF5340; Zephyr RTOS</li> <li>- Design and battery usage time suitable for 24/7 wearability <ul style="list-style-type: none"> <li>• Slim and lightweight design for comfort</li> </ul> </li> <li>- Up to 7 days of continuous health information measurement on a single charge * Size 5 18mAh–Size 13 23.5mAh</li> <li>- Enhanced durability with titanium material and 10 ATM, IP68 waterproofing</li> <li>- Offers personalized health management functions <ul style="list-style-type: none"> <li>• Provides indicators and personalized insights for users' personal condition management</li> <li>• Supports advanced sleep analysis and coaching functions</li> <li>• Monitors daily life, such as high/low hear rate notifications, automatic exercise detection, etc.</li> </ul> </li> <li>- Features differentiated experience for Galaxy users <ul style="list-style-type: none"> <li>• Supports easy pairing, gesture control, ring location search linked to terminal</li> <li>• Offers optimized usability—improved usage time when worn simultaneously with watch</li> </ul> </li> </ul> </li> </ul> </li></ul>

DX Division	
Research project	Details
<b>Network</b>	
RAN S/W Package ~October 2024	<ul style="list-style-type: none"> <li>□ vRAN* SW Package (November 2023) <ul style="list-style-type: none"> <li>* vRAN(virtualized RAN) <ul style="list-style-type: none"> <li>- Integrated 4th generation CPU from company “I” into our vRAN SW Package, applying it to a vRAN commercial network for the first time in industry</li> <li>- Successfully conducted data call on vRAN commercial network equipped with 4th generation CPU, following previous success in large-scale vRAN commercialization utilizing 3rd generation CPU</li> </ul> </li> </ul> </li> <li>□ 5G vRAN SW PKG (June 2024) <ul style="list-style-type: none"> <li>- Completed RedCap Energy-saving function test (testing for reducing power consumption in 5G IoT devices) <ul style="list-style-type: none"> <li>• Completed testing for vRAN-based 5G RedCap Energy-saving technology for the first time in the industry</li> <li>• The Company has been validating vRAN RedCap technology (including commercial vRAN network in the US) and commercial functionality for both tRAN and vRAN will be provided in the future</li> </ul> </li> <li>* tRAN (traditional RAN): hardware-based base station</li> <li>* RedCap (Reduced Capability): 5G low-power IoT technology</li> </ul> </li> <li>□ AI-based 5G Base Station quality optimization technology (AI-RAN Parameter Recommender) (October 2024) <ul style="list-style-type: none"> <li>- Developed AI-based technology that automatically recommends optimal parameters for base station environments; and applied and validated the technology in commercial networks through cooperation with SKT</li> <li>- To be expanded in areas with frequent traffic changes to enhance perceived quality and maximize base station performance</li> </ul> </li> </ul>
Base stations ~August 2024	<ul style="list-style-type: none"> <li>□ 3.5GHz CBRS NR Strand Smallcell (March 2023) <ul style="list-style-type: none"> <li>- Developed commercial Strand Small Cell (small cell solution designed to be installed on cables), a company first</li> <li>- Cell solution that integrates baseband, radio, and antenna into a single form factor</li> <li>- Equipped with the Company’s newest in-house chipset—2nd generation 5G modem SoC—and its small size enables installation on cables</li> </ul> </li> <li>□ C-band NR 64T64R MMU for North America (May 2023) <ul style="list-style-type: none"> <li>- More compact and lightweight 64T64R MMU allows higher output with low-power mode compared to the 1st generation</li> </ul> </li> <li>□ n77 (3.4~3.8GHz) NR 64T64R new MMU for Canada (August 2024) <ul style="list-style-type: none"> <li>- Developed high-output new MMU platform product applied with new PAM (power amplifier module), which has new structure</li> <li>- Compared to existing products, wideband support (high efficiency) enables entry into global markets that require high output and low power consumption, contributing to the expansion of the 5G market</li> </ul> </li> </ul> <p>* Wideband support: Allows the simultaneous transmission of large amounts of data using a wide frequency band, resulting in faster transmission speed.</p>

DS Division	
Research project	Details
<b>Memory</b>	
DRAM for mobile ~July 2024	<ul style="list-style-type: none"> <li>□ Development of industry’s first LPCAMM (September 2023) <ul style="list-style-type: none"> <li>- Developed LPDDR-based modules, leading the next-generation markets like PC and laptops</li> <li>- Improved performance by 50%, power efficiency by 70%, and mounting area by 60% compared to SO-DIMMs, and improved flexibility in manufacturing as well as user convenience with easy upgrade/replacement</li> <li>- Set to be tested using next-generation systems with major customers and slated for commercialization in 2024: expected to gain wide adoption in next-generation PCs, laptops and data centers.</li> </ul> </li> <li>□ Successfully verified industry’s fastest LPDDR5X operation with MediaTek (July 2024) <ul style="list-style-type: none"> <li>- Completed verification on MediaTek’s latest flagship mobile AP Dimensity, leading commercialization of high-performance products</li> <li>- The role of low-power and high-performance LPDDR DRAM is rising in the era of on-device AI</li> <li>- Expects expansion of applications beyond mobile to AI accelerators, servers, HPCs, and automotive</li> </ul> </li> </ul>
DRAM for server ~September 2023	<ul style="list-style-type: none"> <li>□ Mass production of the industry’s most advanced 12nm-class DRAM (May 2023) <ul style="list-style-type: none"> <li>- Enhanced productivity and improved low power consumption characteristics compared to 14-nano DRAM, improving productivity by approximately 20% and reducing power consumption by approximately 23%, which maximizes next-generation computing</li> <li>- Produced via our completed highly advanced node that applies cutting-edge technologies, such as a capacitor utilizing a new material with a high dielectric constant</li> <li>- Provide high-performance and high-density DRAM solutions to meet demand for the high-throughput computing market and expand 12nm-class DRAM lineup, which will be supplied to various applications</li> </ul> </li> <li>□ Development of the largest-capacity 32Gb DDR5 DRAM to date (September 2023) <ul style="list-style-type: none"> <li>- 40 years after the development of 64Kb DRAM in 1983, capacity has increased by 500,000 times</li> <li>- Enables the production of 128GB modules without TSV processes; improved power efficiency by 10% compared to 12-nano 16Gb based modules with the same capacity</li> <li>- Provides high density DRAM solutions optimized for AI and enables 1TB module production</li> <li>- Expects to enter mass production within 2023 to be supplied to various applications such as AI and next-generation computing</li> </ul> </li> </ul>



DS Division	
Research project	Details
Graphic DRAM ~January 2025	<ul style="list-style-type: none"> <li>□ Development of the industry's first GDDR7 DRAM (July 2023) <ul style="list-style-type: none"> <li>- With the development of industry's fastest 32Gbps GDDR7 DRAM, we improved performance by 1.4 times and power efficiency by 20% compared to the previous 24Gbps GDDR6</li> <li>- Minimized heat generation during high-speed operation through optimization of the circuit design with new package materials</li> <li>- Set to be tested using next-generation systems with major customers within this year and planned for a timely commercialization to gain wide adoption in next-generation graphic cards, high-performance computing and AI</li> </ul> </li> <li>□ Development of the industry's first 24Gb GDDR7 DRAM (October 2024) <ul style="list-style-type: none"> <li>- Applied 12nm-class scaling process for increased cell density, achieving industry's highest capacity of 24Gb</li> <li>- Features 40Gbps speed with PAM3 signaling, up to 42.5Gbps</li> <li>- Applies Clock Control Technology, achieving low-power operation and maximizing power efficiency</li> <li>- A wide range of applications from graphic DRAM to AI workstations and data centers</li> </ul> </li> <li>□ First in the industry to produce 24Gb GDDR7 DRAM (January 2025) <ul style="list-style-type: none"> <li>- Secured integration density that can meet the demand for high-density graphic cards via leading-capacity 24Gb graphic DRAM</li> <li>- Support industry-leading speeds of up to 42.5Gbps and a total bandwidth of 1.92TB/s, optimizing performance for next-generation AI and graphics environment</li> <li>- Improved thermal resistance of packaging compared to previous GDDR7 by 11%, by applying a new high thermal conductivity material and reinforced reliability under high-performance operating conditions</li> </ul> </li> </ul>
HBM DRAM ~February 2024	<ul style="list-style-type: none"> <li>□ Unveiled ultra-high performance HBM3E DRAM Shinebolt that will lead AI technology innovation (October 2023) <ul style="list-style-type: none"> <li>- Provides high-performance of up to 9.8Gbps per one data input/output pin, allowing speed capable of processing up to 1.2TB of data per second</li> <li>- Achieves high-level stacking for HBM chips by optimizing non-conductive film technology for dense chip stacking without gaps, and improved heat transfer coefficient by maximizing heat conduction</li> <li>- Currently mass-producing 8-layer and 12-layer HBM3 products and delivering samples of the next-generation HBM3E to customers</li> </ul> </li> <li>□ Developed industry's first 36GB HBM3E 12H DRAM (February 2024) <ul style="list-style-type: none"> <li>- Achieved industry's highest capacity of 36GB by stacking 12 layers</li> <li>- With Advanced TC NCF technology, achieved 12-layer stacks by maintaining the same height as 8-layer HBM3 and also improved both performance and capacity by over 50%</li> <li>- Enhanced vertical integration with 7 micrometer chip spacing—the industry's smallest—and applied various bump sizes</li> <li>- Started sample shipping to customers, with mass production expected in 1H</li> </ul> </li> </ul>
NAND ~September 2024	<ul style="list-style-type: none"> <li>□ Mass production of 9th generation V-NAND, an industry first (April 2024) <ul style="list-style-type: none"> <li>- Industry's first mass production of 1Tb TLC 9th generation V-NAND</li> <li>- Highest-layer V-NAND possible with Double Stack structure</li> <li>- Equipped with next-generation interface with the industry's smallest cell size and thinnest mold, demonstrating our technological leadership</li> <li>- The advanced technology reduces cell area and interference, boosting bit density by 1.5 times compared to its Gen 8 V-NAND</li> </ul> </li> <li>□ Mass production of 9th generation QLC V-NAND, an industry first (September 2024) <ul style="list-style-type: none"> <li>- With industry's first release of both 9th generation QLC and TLC V-NAND, we enhanced competitiveness in the next-generation NAND flash market through our high-density QLC and high-performance TLC</li> <li>- Achieved industry's highest layered chip by implementing innovative technologies such as a double stack structure using channel hole etching technology.</li> <li>- Expand applications to mobile UFS, PC/server SSDs, etc. starting from brand products</li> </ul> </li> </ul>
SSD for Client ~October 2024	<ul style="list-style-type: none"> <li>□ Mass production of PM9C1a, a high-performance PC SSD equipped with a 5nm controller (January 2023) <ul style="list-style-type: none"> <li>- Elevated performance with a new 5nm controller and 7th generation V-NAND</li> <li>- Enhanced speed by up to 1.8 times and power efficiency by up to 70% vs the previous generation</li> <li>- Supports device authentication and verification technology with strengthened security solutions such as the new adoption of the Device Identifier Composition Engine (DICE) security standard</li> </ul> </li> <li>□ Mass production of SSD PM9E1 for PC, the industry's highest performance and largest capacity (October 2024) <ul style="list-style-type: none"> <li>- Supports 8-channel PCIe 5.0 and features 8th generation V-NAND, enabling top industry performance</li> <li>- Able to store large files such as AI-generated content, with 4TB high-capacity option</li> <li>- Improved up to 2x in performance and over 50% in power efficiency compared to predecessor PM9A1a</li> <li>- Applied new SPDM 1.2 version security solution to prevent data tampering and forgery</li> </ul> </li> </ul>

DS Division	
Research project	Details
Brand SSD ~March 2025	<ul style="list-style-type: none"> <li>□ Released high-performance SSD '990 PRO' 4TB (September 2023) <ul style="list-style-type: none"> <li>- Offers the fastest random read speed among PCIe 4.0-based consumer SSDs by applying state-of-art 8th generation V-NAND and achieving industry's highest performance</li> <li>- Optimized for tasks that require ultra-fast data processing, such as high-performance games and 3D/4K graphics</li> <li>- Strengthened compatibility and heat dissipation through design and application of a heat diffuser and heat sink</li> </ul> </li> <li>□ Launched ultra-fast portable SSD 'T9' (October 2023) <ul style="list-style-type: none"> <li>- Supports new data transmission interface, USB 3.2 Gen2x2, achieving approximately 2x improvement in consecutive reading/writing compared to the previous generation</li> <li>- Improves surface materials and achieves software optimization to reduce degradation and overheating during transmission of large files</li> </ul> </li> <li>□ Launched 8TB portable SSD T5 EVO, the largest capacity in industry (November 2023) <ul style="list-style-type: none"> <li>- Provides consecutive reading/writing with a speed of up to 460MB/s based on USB3.2 Gen1</li> <li>- Enhanced portability with compact size and weight, and metal ring</li> <li>- Equipped with overheating prevention and hardware data encryption technologies</li> </ul> </li> <li>□ Launched customer SSD '990 EVO' with high-performance and versatility (January 2024) <ul style="list-style-type: none"> <li>- Improved reading/writing speed by up to 43% compared to 970 EVO Plus</li> <li>- Enhanced power efficiency by up to 70% with new 5nm controller</li> <li>- Supports the next generation interface PCIe 5.0 x2</li> <li>- Enhances cost competitiveness with host memory buffer technology</li> </ul> </li> <li>□ Launched PCIe 4.0-based customer SSD '990 EVO Plus' (September 2024) <ul style="list-style-type: none"> <li>- Improved reading/writing speeds by 45% and 50% respectively, and power efficiency by more than 70% compared to its predecessor with the 8th generation V-NAND and 5nm controller</li> <li>- Expands consumer options by offering three capacities including high-density 4TB product</li> <li>- Offers easy upgrade of performance and capacity through installation on laptop or PC mainboards</li> <li>- Prevents overheating with nickel-coated controller and heat dissipation labels, enhancing product stability</li> </ul> </li> <li>□ Launched PCIe 5.0-based high-performance consumer SSD 9100 PRO (March 2025) <ul style="list-style-type: none"> <li>- Improved consecutive reading speed by 99%, and power efficiency by 49% compared to its predecessor, 990 PRO, with twice the speed of PCIe 4.0 interface</li> <li>- Expanded consumer options by offering four capacities, including a high-density 8TB model</li> <li>- Enabled installation on laptop, PCs and gaming consoles</li> </ul> </li> </ul>
CXL ~June 2024	<ul style="list-style-type: none"> <li>□ Development of industry's first CXL 2.0 DRAM (May 2023) <ul style="list-style-type: none"> <li>- Overcomes limitations of DRAM modules, enabling expansion of bandwidth and capacity</li> <li>- Reduced server operation costs by supporting memory pooling, which assists splitting-use of CXL DRAM</li> <li>- Expands CXL ecosystem through continued collaboration with data centers and server and chipset companies; and become an industry leader by promptly addressing demand in the next-generation computing market</li> </ul> </li> <li>□ Established industry's first Red Hat certified CXL infrastructure (June 2024) <ul style="list-style-type: none"> <li>- Established Red Hat certified CXL infrastructure in the SMRC, Samsung Electronics' internal research facility, allowing for in-house verification of all server components, from products to software</li> <li>- Conducted rapid product development, including the industry's first CMM-D Red Hat certification, providing customized solutions for clients</li> <li>- Demonstrated technology for CXL-based server performance enhancement at the Red Hat Summit 2024 in the US</li> </ul> </li> </ul>
Brand Card ~August 2024	<ul style="list-style-type: none"> <li>□ Released memory card 'PRO Ultimate' with enhanced speed and stability (August 2023) <ul style="list-style-type: none"> <li>- 'PRO Ultimate' provides the highest level of 200MB/s read speed and 130MB/s write speed under the UHS-I standard, improving power efficiency by 37% compared to previous models and achieving data protection against extreme external conditions such as water, moisture, abrasion, X-ray, and temperature.</li> <li>- Provides the optimal SD Cards/Micro SD Cards for high-resolution content work catering to professional photographers and creators who use devices like drones, action cameras, and DSLR</li> </ul> </li> <li>□ Developed industry-first SD Express microSD Card (February 2024) <ul style="list-style-type: none"> <li>- Offers industry's highest continuous reading performance of 800MB/s and 256GB capacity</li> <li>- First to apply Dynamic Thermal Guard technology—which has been used in SSDs—to effectively addressed overheating in small form factors</li> </ul> </li> <li>□ Mass produced high-density 1TB UHS-I micro SDcard, based on the most recent V-NAND (February 2024) <ul style="list-style-type: none"> <li>- Achieved terabyte-level capacity in microSD cards with 8th generation V-NAND</li> <li>- Ensures data protection data in extreme environments (e.g. water, abrasion from dropping)</li> </ul> </li> <li>□ Released two types of high-density 1TB micro SD cards (August 2024) <ul style="list-style-type: none"> <li>- Achieved terabyte-level high-density product by applying 1Tb TLC 8th generation V-NAND, an industry's high for capacity</li> <li>- Meets the demand for high performance and high capacity solutions with a maximum capacity of 1TB</li> <li>- Improves power efficiency and reduces battery consumption with 28nm controller</li> </ul> </li> </ul>



DS Division	
Research project	Details
Automotive ~September 2024	<ul style="list-style-type: none"> <li>□ Mass production of ultra-low-power UFS 3.1 for vehicles (July 2023) <ul style="list-style-type: none"> <li>- Began mass production of Infotainment (IVI) UFS 3.1 for vehicles, which has the lowest power consumption in the industry and is optimized for EVs and autonomous vehicles</li> <li>- Offers 33% lower power consumption compared to the previous generation, with a maximum read speed of 2,000MB/s and a maximum write speed of 700MB/s for 256GB</li> <li>- Strengthened storage product lineup for automobiles by establishing lineup of 128GB/256GB/512GB products to meet various customer needs; and established UFS 3.1 products for advanced driver assistance systems</li> </ul> </li> <li>□ Unveiled key solutions for vehicles to reach no.1 in automotive memory market in 2025 (October 2023) <ul style="list-style-type: none"> <li>- Unveiled Detachable AutoSSD that allows multiple SoCs to use a single SSD divided through storage virtualization, supporting consecutive read speed up to 6,500MB/s and providing 4TB capacity</li> <li>- Showcased high bandwidth GDDR7 for vehicles and LPDDR5X with reduced packaging size</li> </ul> </li> <li>□ Supplied LPDDR4X for Qualcomm vehicles solutions (August 2024) <ul style="list-style-type: none"> <li>- Initiated the first collaboration with Qualcomm in automotive semiconductor sector, supplying chips for Snapdragon Digital Chassis and supporting premium vehicle infotainment</li> <li>- Ensures stable performance even in extreme environments ranging from -40°C to +105°C</li> <li>- Plans for long-term supply to global automakers and auto parts makers</li> </ul> </li> <li>□ Developed 8th-generation V-NAND based vehicle SSD, an industry's first (September 2024) <ul style="list-style-type: none"> <li>- Provides 256GB SSD samples to customers and optimizes support for in-vehicle AI functions</li> <li>- Achieved industry's fastest speed with 8th-generation V-NAND and 5nm-based controller</li> <li>- Supports high-performance SLC mode, enabling fast access to large files,</li> <li>- Responds to customer demand for high-density SSDs for vehicles with a 2TB product to be released early next year</li> </ul> </li> </ul>
<b>System LSI</b>	
Image Sensor ~December 2024	<ul style="list-style-type: none"> <li>□ Launched 200 megapixel image sensor combined with ultra-high resolution technologies (HP2, 0.6um/200Mp) <ul style="list-style-type: none"> <li>- Applied Dual Vertical Transfer Gate technology—industry's first—and enhanced color expression and picture quality</li> <li>- Leveraged Tetra2pixel technology, offering vivid picture quality even in low-lit environments</li> <li>- Adopted Dual Slope Gain, creating an HDR image as high as 50MP—industry's first</li> <li>- Applied Super QPD, which allows the sensor to use all its pixels for auto-focusing</li> </ul> </li> <li>□ Launched industry's highest- performance image sensor for vehicles (1H1, 2.1um/8.3Mp) <ul style="list-style-type: none"> <li>- Enables automotive 120dB HDR, LFM (LED flicker mitigation) and motion-artifact free simultaneously</li> <li>- Applies DTI (Deep Trench Isolation) to prevent interference between adjacent pixels and improves low-light SNR</li> </ul> </li> <li>□ Unveiled ISOCELL vision 63D iTOF (indirect Time Of Flight) sensor (63D, 3.5um/0.3Mp) <ul style="list-style-type: none"> <li>- Measures three dimensional information of objects by sensing light wavelengths</li> <li>- An industry-first single-chip iTOF sensor which reduces system power consumption by 40% compared to the previous sensor (33D)</li> <li>- Supports surface light source and point light source modes and extends maximum measurement distance to 10m</li> </ul> </li> <li>□ Unveiled ISOCELL Vision 931 Global Shutter sensor (931, 2.2um/0.4Mp) <ul style="list-style-type: none"> <li>- Simultaneously exposes all pixels to light, just like the human eye, increasing speed and accuracy.</li> <li>- Recognizes even minute movements in the user's pupils, facial expressions, hand motions, etc.</li> </ul> </li> <li>□ Unveiled industry's first 200-megapixel mobile image sensor for telephoto camera (HP9, 0.56um/200Mp) <ul style="list-style-type: none"> <li>- Significantly improved low-light sensitivity with micro-lens using newly developed proprietary materials</li> <li>- Clear image quality up to 12X zoom when mounted on 3X telephoto module</li> </ul> </li> <li>□ Launched Dual Pixel ISOCELL GNJ, the quintessence of new pixel technology (GNJ, 1.0um/50Mp) <ul style="list-style-type: none"> <li>- Delivers sharp resolution as sensor itself is equipped with a built-in zoom function, eliminating moiré effects</li> <li>- Improves light transmission rate by minimizing pixel interference by changing isolation layer materials between pixels</li> </ul> </li> <li>□ Launched ISOCELL JN5 to offer consistent camera experience across all view angles (JN5, 0.64um/50Mp) <ul style="list-style-type: none"> <li>- Thin optical format allows use in wide-angle, ultra-wide-angle, front-facing and telephoto lenses</li> </ul> </li> <li>□ Unveiled sensor solution All Lenses on Prism (ALoP) compatible with thin smartphones <ul style="list-style-type: none"> <li>- Rearranged lens and prism structure to maintain compact module size even with larger lens diameter</li> </ul> </li> </ul>

DS Division	
Research project	Details
Exynos ~December 2024	<ul style="list-style-type: none"> <li>□ Secured internationally standardized 5G non-terrestrial networks (NTN) modem technology for satellite communications               <ul style="list-style-type: none"> <li>- Reflects the latest standard (Release-17) of 3GPP, which unites telecommunications standard development organizations</li> <li>- Adopted technologies that accurately predict low Earth orbit satellite locations and minimize frequency offsets</li> <li>- Supports two-way transmission of large-capacity data, including text messaging and video sharing</li> </ul> </li> <li>□ Unveiled Exynos Connect U100, an ultra-wideband (UWB) chipset for short-range wireless communications               <ul style="list-style-type: none"> <li>- Provides an accuracy of single-digit centimeters and 5-degrees and under</li> <li>- Low-power, one-chip solution optimized for various mobile, automotive, and IoT devices</li> <li>- Equipped with a scrambled timestamp sequence (STS) function and a secure hardware encryption engine to prevent external hacking</li> <li>- Certified by FiRa Consortium, an organization that certifies UWB products for conformity to interoperability standards</li> </ul> </li> <li>□ Expands Samsung Electronics-AMD partnership for next-generation graphic design asset               <ul style="list-style-type: none"> <li>- Offers console-level gaming experiences on various devices beyond smartphones</li> <li>- Expands eco-system for next-generation graphic solution R&amp;D</li> </ul> </li> <li>□ First Infotainment collaboration with Hyundai Motor Company               <ul style="list-style-type: none"> <li>- Supplies Exynos Auto V920 for premium infotainment to Hyundai</li> <li>- Significantly enhanced performance compared to the previous V910 model, offering optimal mobility experiences for drivers</li> <li>- Offers high level of safety by adopting ASIL-B safety standard for vehicle system</li> </ul> </li> <li>□ Unveiled advanced mobile AP Exynos 2400               <ul style="list-style-type: none"> <li>- Offers industry's highest performance of ray tracing with 2.1 times higher level of performance compared to the previous model</li> <li>- With enhanced AI performance, it provides on-device generative AI functions without internet connection</li> <li>- First Exynos to adopt Non-Terrestrial Network technology</li> </ul> </li> <li>□ Unveiled latest technology mobile AP Exynos 1480               <ul style="list-style-type: none"> <li>- Improved power efficiency by 22% over the previous model by applying the latest 4nm technology</li> <li>- Features content recognition image processing with powerful AI function</li> <li>- Enhanced graphics performance over the previous generation with AMD RDNA-based Xclipse 530 GPU</li> </ul> </li> <li>□ Unveiled latest technology applied wearable SoC Exynos W1000               <ul style="list-style-type: none"> <li>- First wearable chip to be manufactured using 3nm technology and features large core</li> <li>- Offers performance enhancement compared to its predecessor, Exynos W930, by 3.4 times for single core and 3.7 times for multi core</li> <li>- Maximizes mounting space for the chip system by using advanced packaging technologies (FO-PLP: Fan-Out Panel Level Packaging, SiP: System in Packaging, ePoP: embedded Package on Package)</li> </ul> </li> <li>□ Unveiled mobile AP Exynos 1580, with significantly improved performance               <ul style="list-style-type: none"> <li>- Upgraded to Armv9 CPU architecture and applied tri-cluster architecture, greatly improving CPU performance</li> <li>- Equipped with 3rd generation custom GPU (Xclipse 540), improving up to 37% in performance than previous Exynos 1480</li> <li>- Features 200MP image sensor processing function and equipped with an NPU that supports up to 14.7 trillion operations per second (TOPS)</li> </ul> </li> </ul>
LSI ~March 2025	<ul style="list-style-type: none"> <li>□ Developed industry's first IC (S3SSE2A) equipped with PQC (post-quantum cryptography)               <ul style="list-style-type: none"> <li>- Provides a more secure environment irrespective of AP security operations with independent security processing and information storage</li> </ul> </li> <li>□ Developed a wireless charging IC (S2MIW06) supporting the Wireless Power Consortium's Qi standard               <ul style="list-style-type: none"> <li>- Consistent performance support and firmware-based behavior utilizing high capacity internal memory in a variety of environments</li> <li>- Provides high-power wireless charging of up to 50W and supports wireless battery sharing between smartphones</li> </ul> </li> </ul>
<b>Foundry</b>	
4th generation-4nm process for HPC November 2024	<ul style="list-style-type: none"> <li>□ Mass production of 4<sup>th</sup> generation-4nm process for HPC               <ul style="list-style-type: none"> <li>- Optimized for high-performance, low-power HPC by reducing RC delays through high-speed transistors and improved Back End of Line (BEOL) process</li> <li>- Able to support advanced 2.5D/3D packaging technologies</li> </ul> </li> </ul>

SDC	
Research project	Details
<b>Display panel</b>	
14/16" OLED for Galaxy Book 3 Pro February 2023	<ul style="list-style-type: none"> <li>□ Development of the world's first large-sized (16") OCTA technology <ul style="list-style-type: none"> <li>- Expanded the application of OCTA—touch-integrated technology—from smartphone OLED to middle-sized laptop OLED panels</li> <li>- Minimized the dead space of panels via development of new materials and process technologies</li> <li>- Reduced power consumption with the first adoption of OLED notebooks with refresh rate of 48–120Hz</li> </ul> </li> </ul>
16" OLED Development for HP Elitebook April 2023	<ul style="list-style-type: none"> <li>□ Achieves power-efficiency and durability through improvements in OLED organic materials <ul style="list-style-type: none"> <li>- 16" WQ+ (2,880 x 1,800, 16:10)</li> <li>- Applied 48Hz–120Hz, VRR (Variable Refresh Rate) and received AMD Freesync Premium Pro certification; provides an optimal gaming environment</li> </ul> </li> </ul>
OLED for Google Pixel 8 pro October 2023	<ul style="list-style-type: none"> <li>□ Through application of new OLED materials that are highly efficient and long-lasting, high luminance (HBM 1,600nits, peak 2,400nits) was achieved. <ul style="list-style-type: none"> <li>- 6.7" WQXGA+ (1,344 x 2,992)</li> <li>- Applied 1–120Hz VRR (variable refresh rate) and technology to minimize dead space</li> </ul> </li> </ul>
Galaxy S24 AMOLED January 2024	<ul style="list-style-type: none"> <li>□ Galaxy S24 (6.16"FHD+, 6.66"WQ+, 6.79WQ+) <ul style="list-style-type: none"> <li>- Combines high-resolution low power consumption technology with technology to minimize panel dead space</li> <li>- Achieves high-luminance, low power and slim bezel and improves image quality and user experience</li> </ul> </li> </ul>
31.5"UHD, 27"QHD QD-OLED January 2024	<ul style="list-style-type: none"> <li>□ Developed 31.5" (140ppi), 27" (360Hz) QD-OLED monitor <ul style="list-style-type: none"> <li>- Developed self-emitting display with high-resolution (140ppi) and high refresh rate (360 Hz) with precision inkjet printing technology and Samsung's AI- based operating algorithms</li> </ul> </li> </ul>
BMW Mini 13.4" 185ppi June 2024	<ul style="list-style-type: none"> <li>□ 13.4" Round OLED Display for vehicle Center Information Display (1,752 x 1,660) <ul style="list-style-type: none"> <li>- Applies round automotive displays for the first time</li> <li>- Ensures uniform characteristics across areas on atypical displays with newly developed compensation circuit and panel structure</li> <li>- Developed large-area atypical OCTA technology</li> </ul> </li> </ul>
Surface Pro 10 May 2024	<ul style="list-style-type: none"> <li>□ 13" WQ+ (2,880x1,920, 3:2) <ul style="list-style-type: none"> <li>- 30Hz low-frequency drive technology for notebook OLED for the first time, achieving low power consumption (variable refresh rate from 30 to 120Hz)</li> </ul> </li> </ul>
Foldable OLED for Galaxy Z Fold6 July 2024	<ul style="list-style-type: none"> <li>□ 7.61" (2,160x1,856) Display for foldables <ul style="list-style-type: none"> <li>- Improves luminance efficiency and visibility with new panel structure/materials, achieving low power consumption and enhancing picture quality</li> <li>- Applies structures/materials with enhanced foldable durability</li> </ul> </li> </ul>
OLED for Google Pixel 9proXL September 2024	<ul style="list-style-type: none"> <li>□ 6.75" high resolution/low power smartphone Display · 1,344 x 2,992, Peak brightness 3,000nit <ul style="list-style-type: none"> <li>- Improves brightness, lifespan, and picture quality and reduces power consumption by 10% by applying low-power panel structure and high-efficiency new organic materials</li> </ul> </li> </ul>
Galaxy S25 Ultra AMOLED January 2025	<ul style="list-style-type: none"> <li>□ 6.86" WQ (1,440 x 3,120) <ul style="list-style-type: none"> <li>- Compared to the previous generation, increased display size and reduced the thickness of both sides and bottom borders to provide a full screen and slim design</li> <li>- 120Hz refresh rate, high brightness (peak 2,600nit)</li> </ul> </li> </ul>
27"UHD 16:9 QD-OLED monitor March 2025	<ul style="list-style-type: none"> <li>□ 27"U 16:9 (160ppi) premium self-luminous, high-resolution monitor <ul style="list-style-type: none"> <li>- Achieved 27" UHD high resolution and improved pixel density by employing ultra-precision controlled inkjet printing technology</li> <li>- Enhances gaming immersion and increases productivity in activities, including photo editing and video production, with a high-definition product</li> </ul> </li> </ul>