

2Q 2023 PRESENTATION

RENESAS ELECTRONICS CORPORATION
JULY 27, 2023

NON-GAAP BASIS INFORMATION

In this section, Renesas Electronics Group (hereinafter “the Group”) applies non-GAAP financial measures (hereinafter “non-GAAP basis”) used for management’s decision making. Non-GAAP figures are calculated by removing or adjusting non-recurring items and other adjustments from GAAP (IFRS: International Financial Reporting Standards) figures following a certain set of rules. The Group believes providing non-GAAP figures will help to better understand the Group’s constant business results.

The Group reports its forecasts on a quarterly basis as a substitute for a yearly forecast.

DISCLAIMER

- **Adoption of IFRS:** With the outlook that the Group will continue to expand globally and to provide financial figures that can be compared on a global scale, the Group discloses its consolidated financial statements in accordance with IFRS starting from the annual securities report for FY2018/12.
- **Non-GAAP figures:** Non-GAAP figures are calculated by removing or adjusting non-recurring items and other adjustments from GAAP (IFRS) figures following a certain set of rules. This adjustment and exclusion include the amortization of intangible assets recognized from acquisitions, other PPA (purchase price allocation) adjustments relating to acquisitions, stock-based compensation, as well as other non-recurring expenses and income the Group believes to be applicable.
- **Presentation of financial forecasts:** Starting from the consolidated forecasts for the three months ended March 31, 2019, the Group presents its financial forecasts as a range, and gross margin and operating margin figures in the non-GAAP format. The gross margin and operating margin forecasts are given assuming the midpoint in the sales revenue forecast.
- **Start of consolidation of Panthronics:** The Group completed acquisition of Panthronics AG (“Panthronics”) on June 2 (JST), 2023. The Group has since begun the consolidation of their financial figures.
- **Purchase Price Allocation (PPA):** The allocation of the acquisition costs for the business combination with Steradian Semiconductors Private Limited (“Steradian”) , which was completed on October 17, 2022, has been revised at the end of three months ended March 31. This revision to the allocation of the acquisition costs (PPA) has been reflected in the consolidated financial results for the year ended December 31, 2022.

2Q 2023 FINANCIAL SNAPSHOT

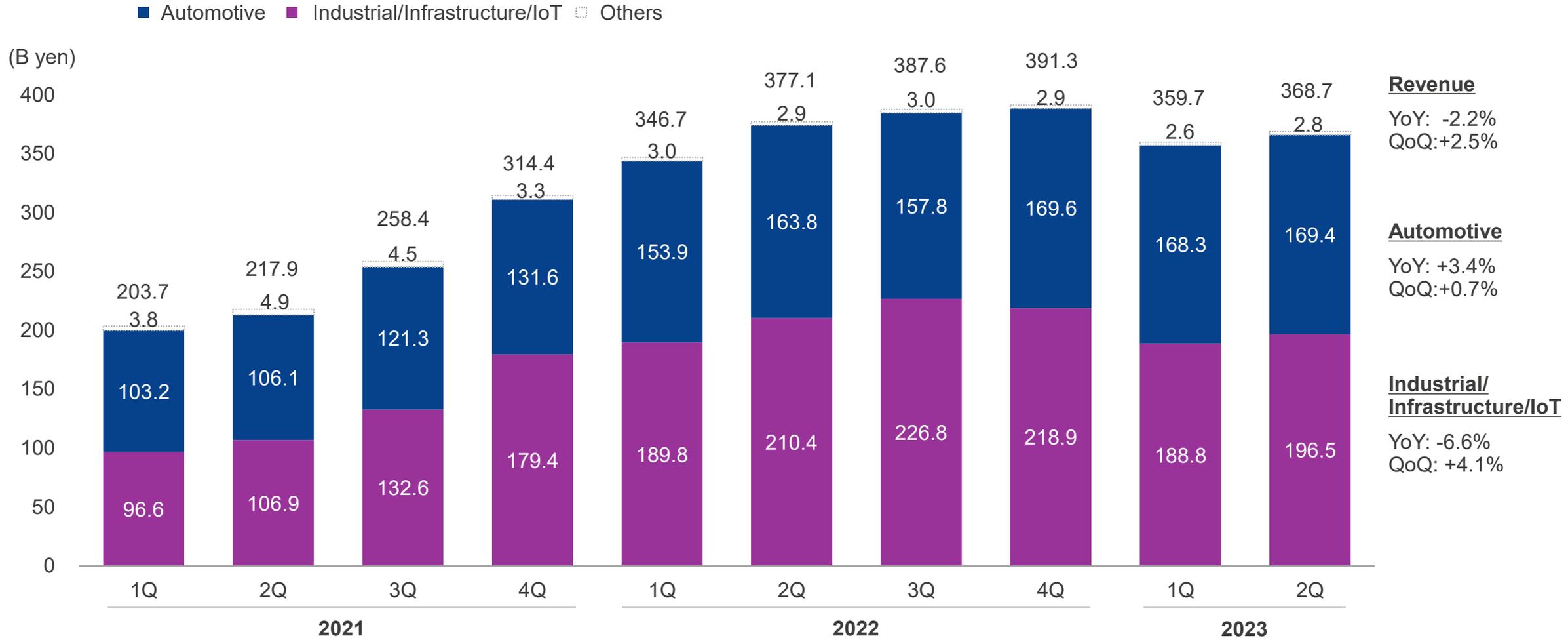
NON-GAAP

(B yen)	2022		2023								
	2Q (Apr-Jun)	1H (Jan-Jun)	1Q (Jan-Mar)	2Q (Apr-Jun) Forecast	2Q (Apr-Jun) Actual	YoY	QoQ	Change from Apr 27 FCT*1	1H (Jan-Jun) Actual	YoY	Change from Apr 27 FCT*1
Revenue	377.1	723.8	359.7	360.0 (±7.5)	368.7	-2.2%	+2.5%	+2.4%	728.4	+0.6%	+1.2%
Revenue (Excluding Foreign Exchange Impact)	-	-	-	-	-	-8.0%	+0.8%	+0.8%	-	-	-
Gross Margin	58.6%	58.5%	56.2%	55.5%	57.4%	-1.2pts	+1.2pts	+1.9pts	56.8%	-1.7pts	+0.9pt
Operating Profit (Margin)	145.3 (38.5%)	280.9 (38.8%)	124.8 (34.7%)	32.0%	129.1 (35.0%)	-16.3 (-3.5pts)	+4.3 (+0.3pt)	+13.9 (+3.0pts)	253.8 (34.8%)	-27.0 (-4.0pts)	+13.9 (+1.5pts)
Profit Attributable to Owners of Parent	81.4	171.6	107.5	-	119.0	+37.6	+11.5	-	226.5	+54.8	-
Profit Attributable to Owners of Parent (Excluding Foreign Exchange Impact)*2	120.4	228.2	106.8	-	108.2	-12.3	+1.3	-	215.0	-13.2	-
EBITDA*3	165.2	320.4	144.3	-	149.0	-16.2	+4.7	-	293.3	-27.1	-
1 US\$=	124 yen	120 yen	133 yen	132 yen	135 yen	10 yen depreciation	2 yen depreciation	3 yen depreciation	134 yen	14 yen depreciation	1 yen depreciation
1 Euro=	134 yen	132 yen	142 yen	143 yen	146 yen	12 yen depreciation	4 yen depreciation	3 yen depreciation	144 yen	12 yen depreciation	2 yen depreciation

*1: Each figure represents comparisons with the midpoint in the sales revenue forecast range *2: Profit attributable to owners of parent – foreign exchange gain/loss *3: Operating profit + Depreciation and amortization

QUARTERLY REVENUE TRENDS

NON-GAAP



2Q 2023 REVENUE AND GROSS / OPERATING MARGIN

NON-GAAP

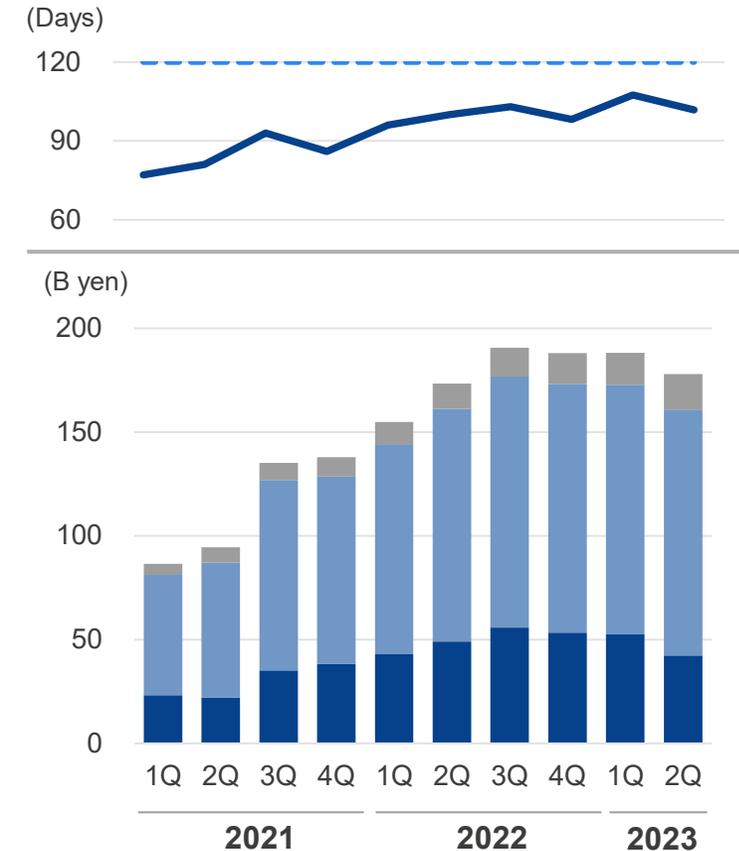
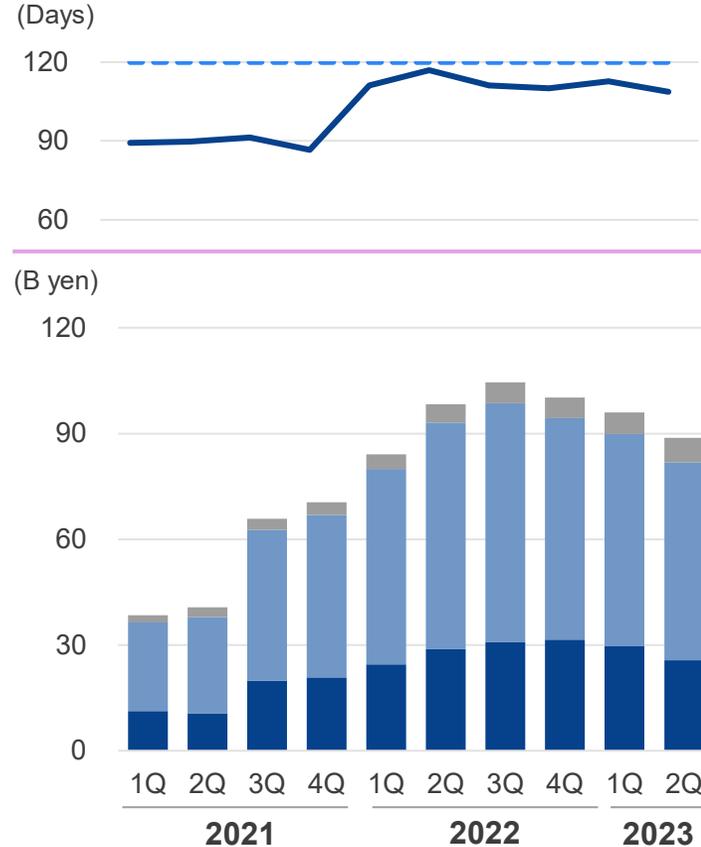
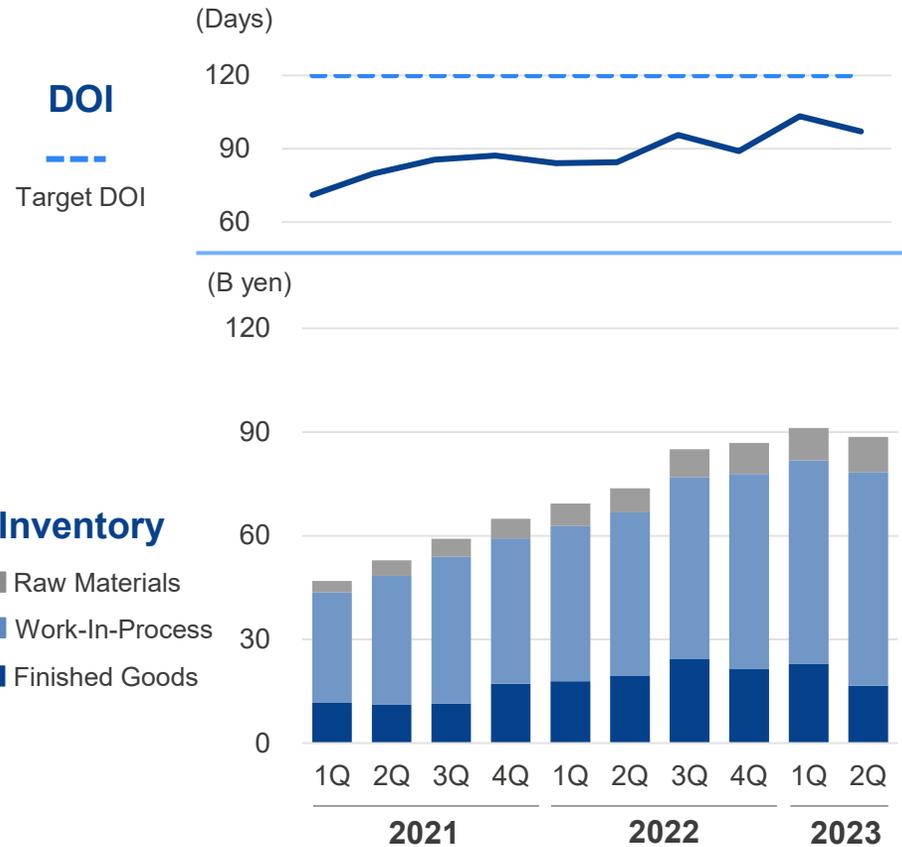
	Automotive	Industrial / Infrastructure / IoT	Company Total	
Revenue	169.4 B yen vs FCT: + QoQ: +0.7%	196.5 B yen vs FCT: + QoQ: +4.1%	368.7 B yen vs FCT: +2.4% QoQ: +2.5%	Operating Margin vs FCT +3.0pts Revenue Gross Margin vs FCT: +1.9pts Currency Impact Product Mix Production Recovery Production Costs, etc. Operating Expenses
Gross Margin	51.5% QoQ: -1.3pts	62.6% QoQ: +3.2pts	57.4% vs FCT: +1.9pts QoQ: +1.2pts	Operating Margin QoQ +0.3pt Revenue Gross Margin QoQ: +1.2pts Currency Impact Product Mix Production Recovery Production Costs, etc. Operating Expenses
Operating Margin	34.9% QoQ: -1.2pts	35.4% QoQ: +1.9pts	35.0% vs FCT: +3.0pts QoQ: +0.3pt	

IN-HOUSE INVENTORY (FINANCIAL ACCOUNTING BASIS) AND DOI*1*2

Automotive

Industrial/Infrastructure/IoT

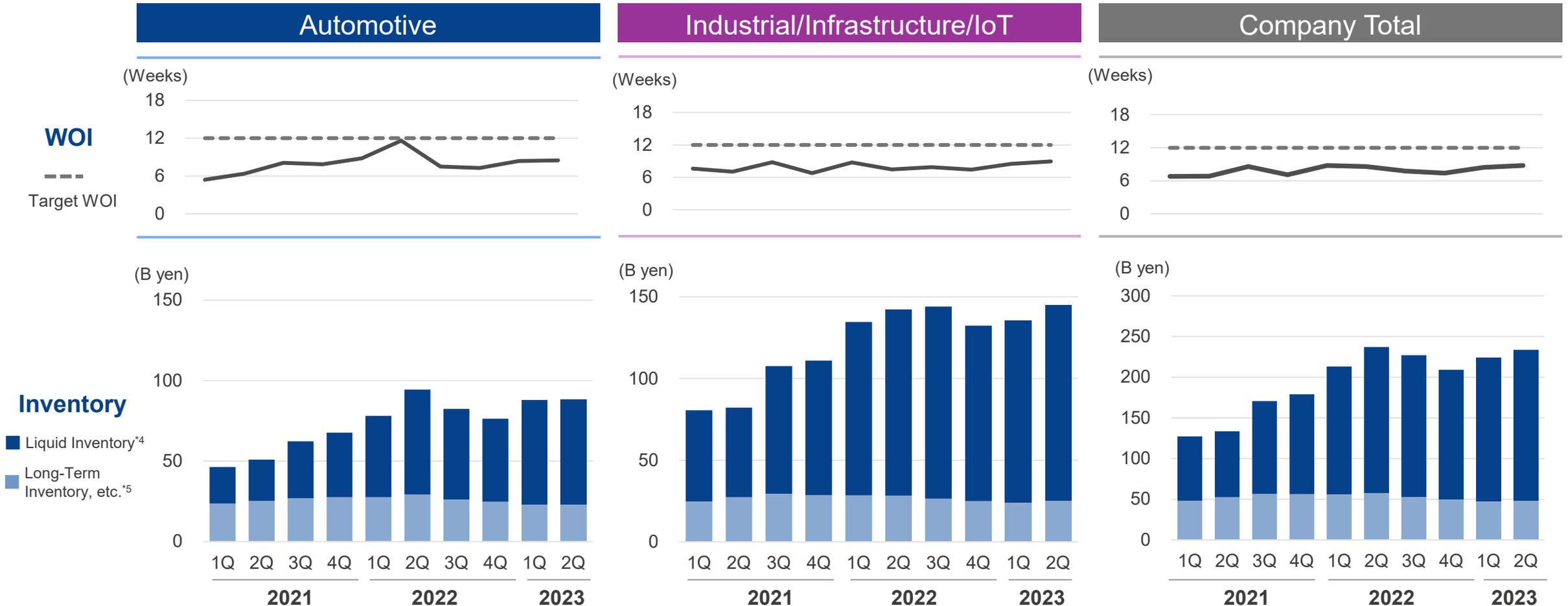
Company Total



*1: DOI: Days of Inventory = Inventory valuation balance at the end of the quarter / cost of sales of the quarter (Non-GAAP) × 90.

*2: The figures include Dialog's inventories from 3Q21 and Celeno's inventories from 4Q21. However, note that Dialog's quarterly cost of sales for 3Q21 is calculated by multiplying Dialog's September costs by 3.

SALES CHANNEL INVENTORY*1 (MANAGEMENT ACCOUNTING BASIS*2) AND WOI*3



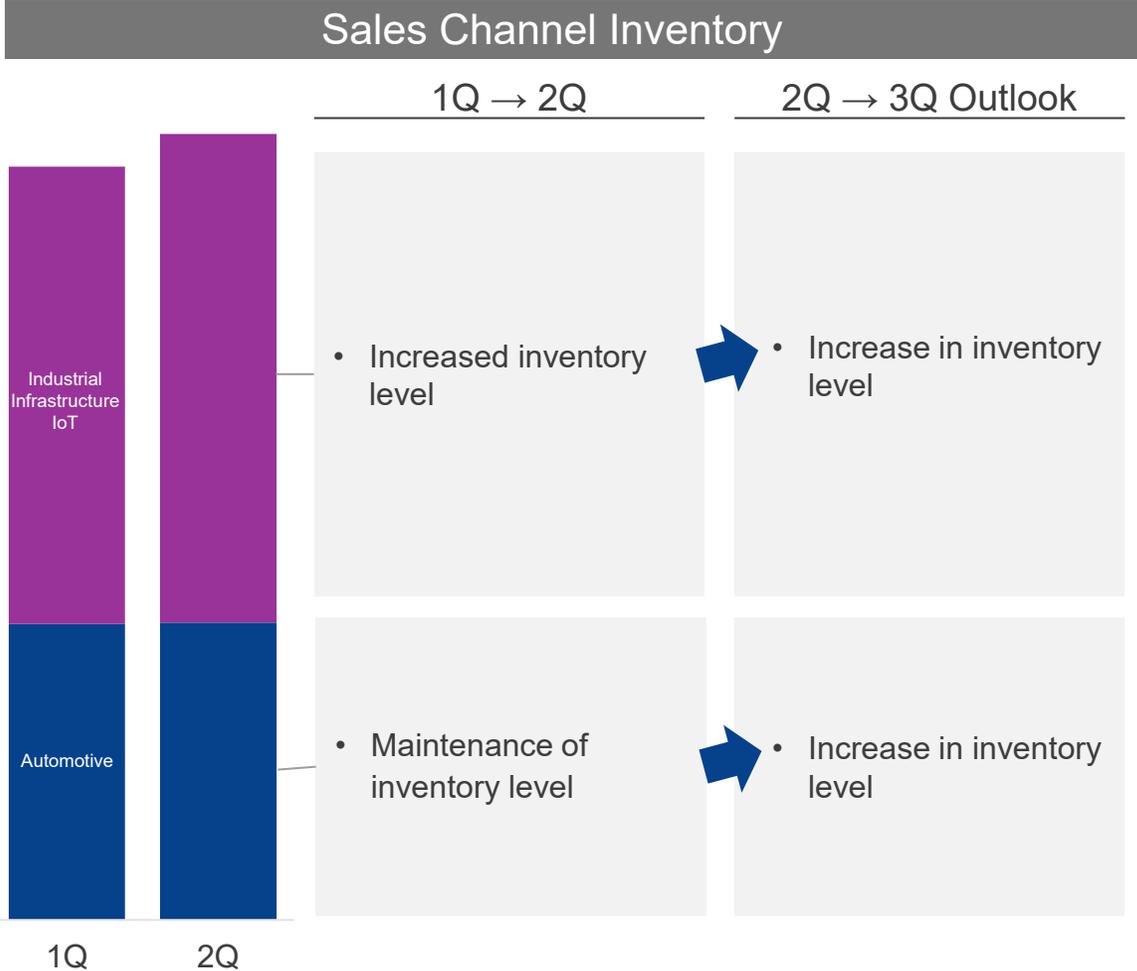
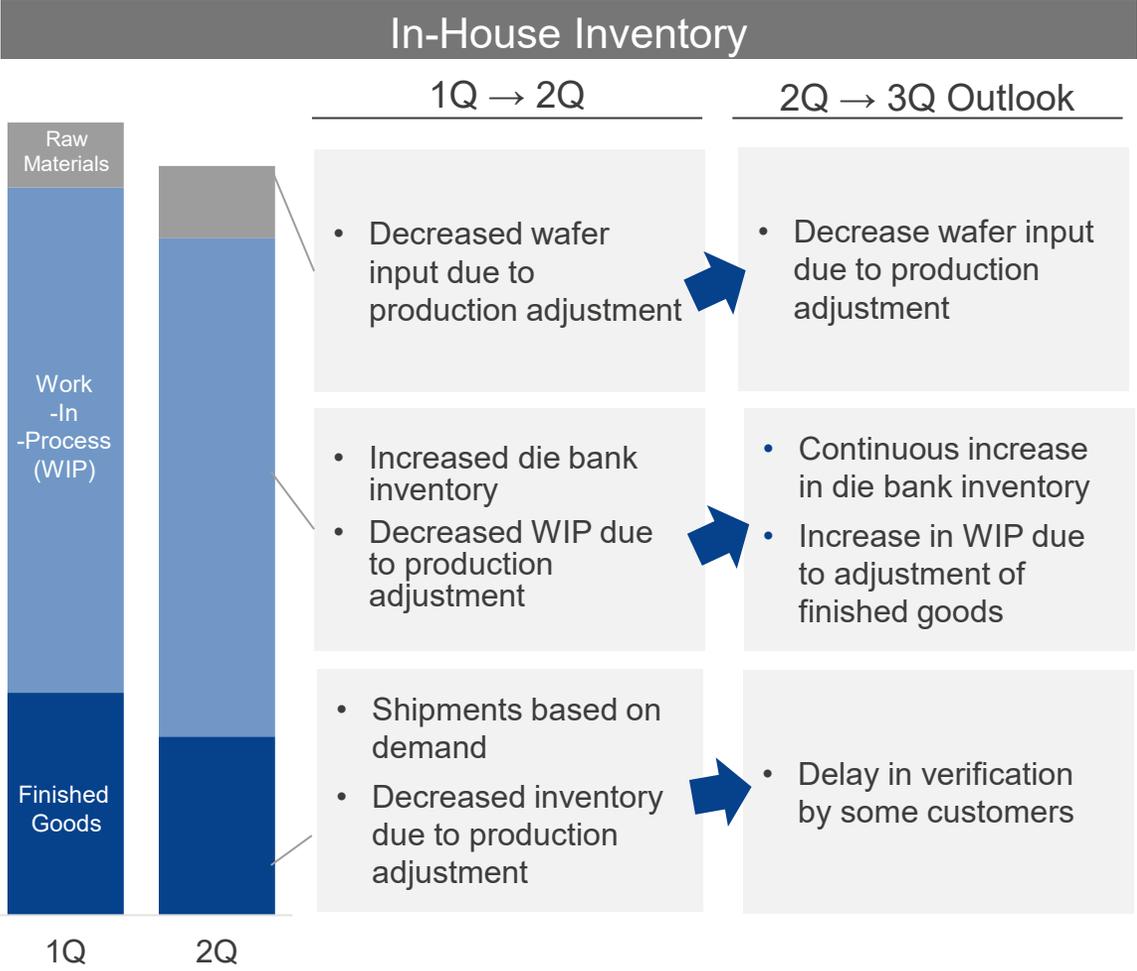
*1: Channel Inventory: Total inventory amount for Tokuyakutens for Japanese customers and overseas distributors (including channel inventories of Dialog from September 2021 and those of Celeno from March 2022)

*2: Management accounting Basis: Exchange rates for the FY2021 and FY2022 have been adjusted (and are calculated based on the FY2023 exchange rate) in accordance with the change in exchange rate for the FY2023 budget.

*3: WOI: Weeks of Inventory = Channel inventory at the end of the quarter / (cost of channel sales in the quarter / 13 weeks). It should be noted that from the inventory management perspective, to calculate appropriate WOI, certain Long-Term Inventory is excluded from Channel Inventory

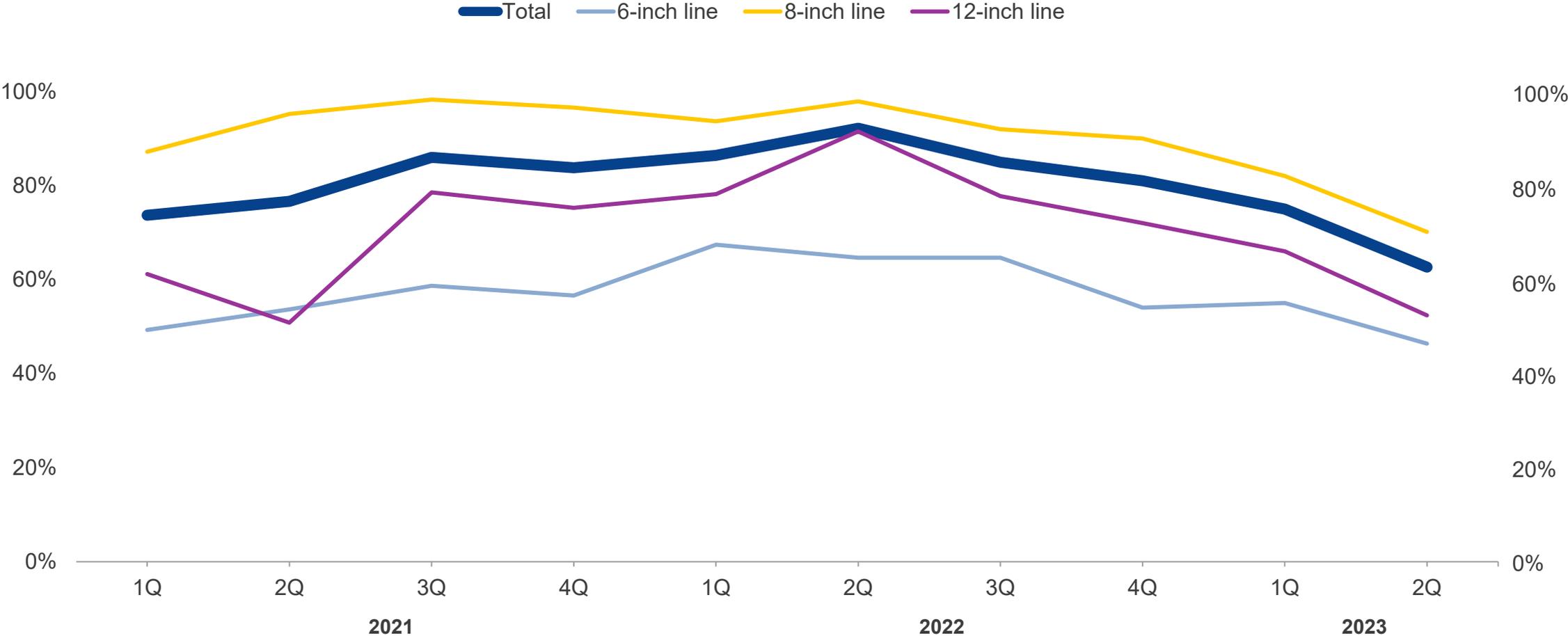
*4: Liquid Inventory: Channel Inventory – Long-Term Inventory, etc. *5: Long-Term Inventory: Inventory with unique holding periods (End of Life or "EOL" products, e-commerce inventory etc.)

INVENTORY ANALYSIS



QUARTERLY TRENDS IN FRONT-END UTILIZATION RATE*1

WAFER INPUT BASIS

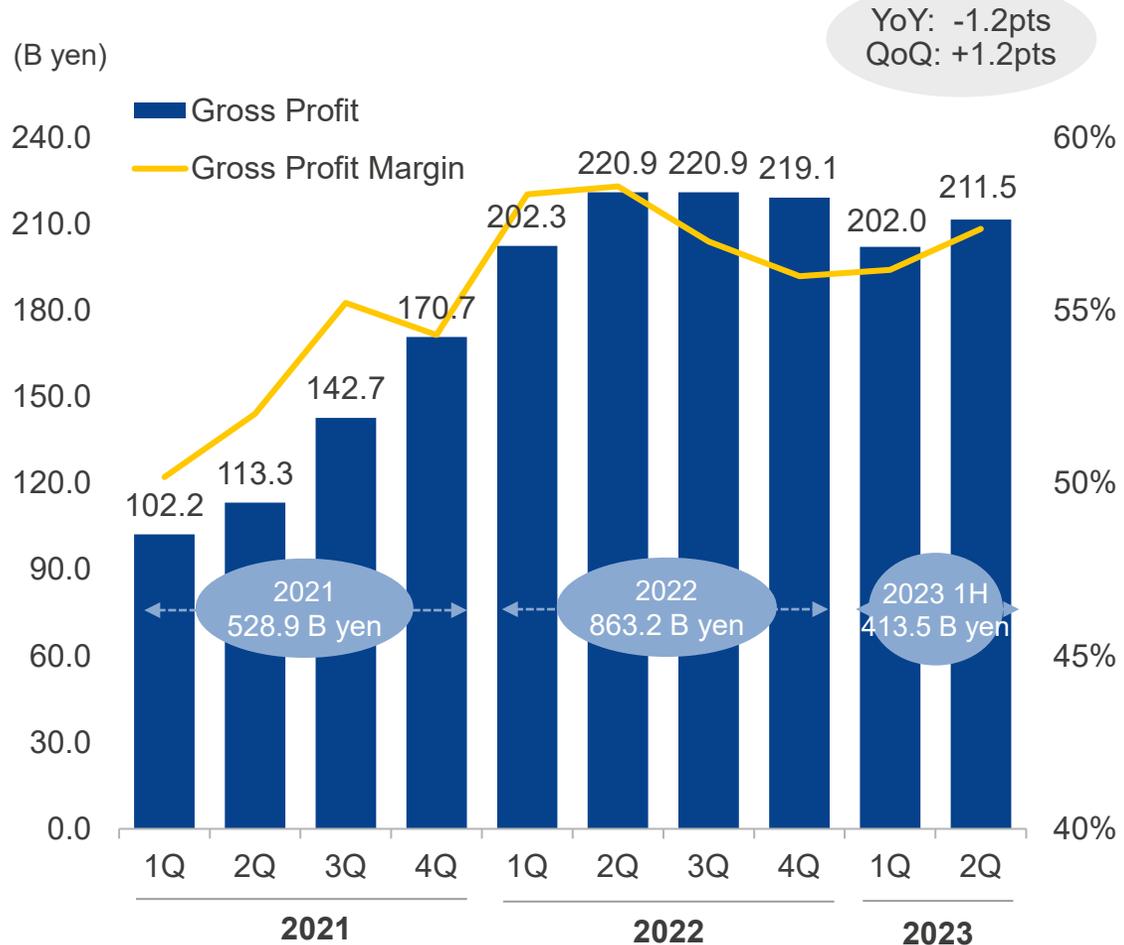


*1: Utilization rates are calculated by excluding the 6-inch line capacity of the Shiga Factory (closed in August 2021) and the Yamaguchi Factory (closed in June 2022) from 1Q21 and 1Q22 onwards, respectively.

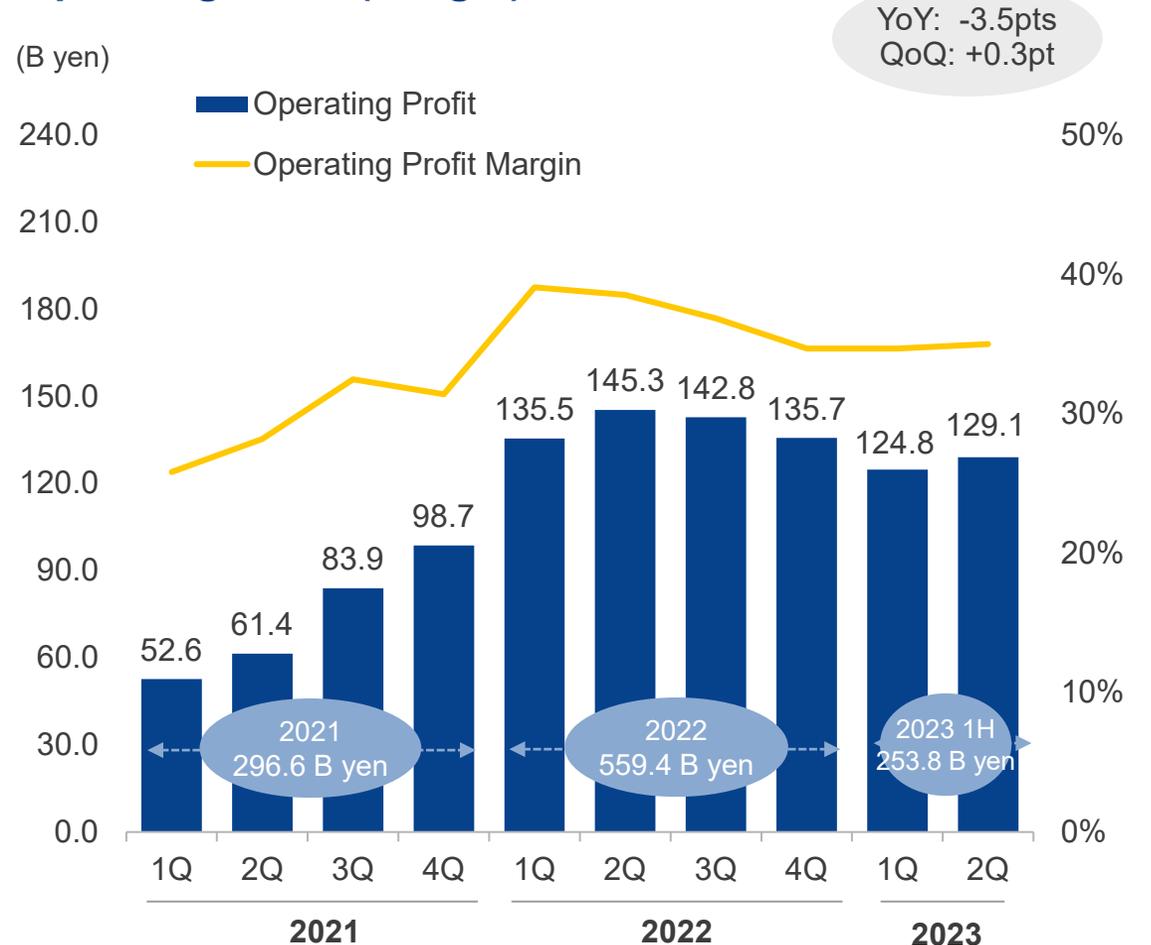
GROSS PROFIT AND OPERATING PROFIT QUARTERLY TRENDS

NON-GAAP

Gross Profit (Margin)

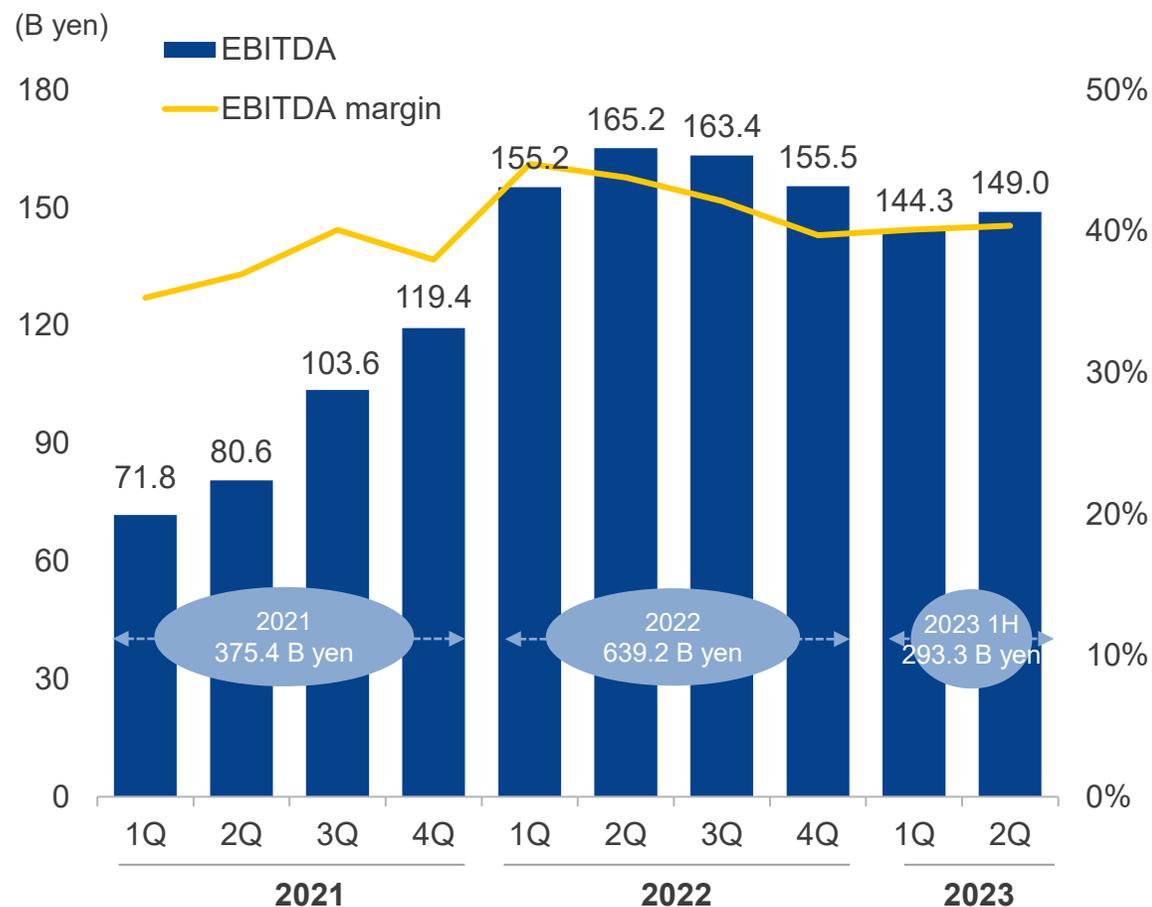


Operating Profit (Margin)

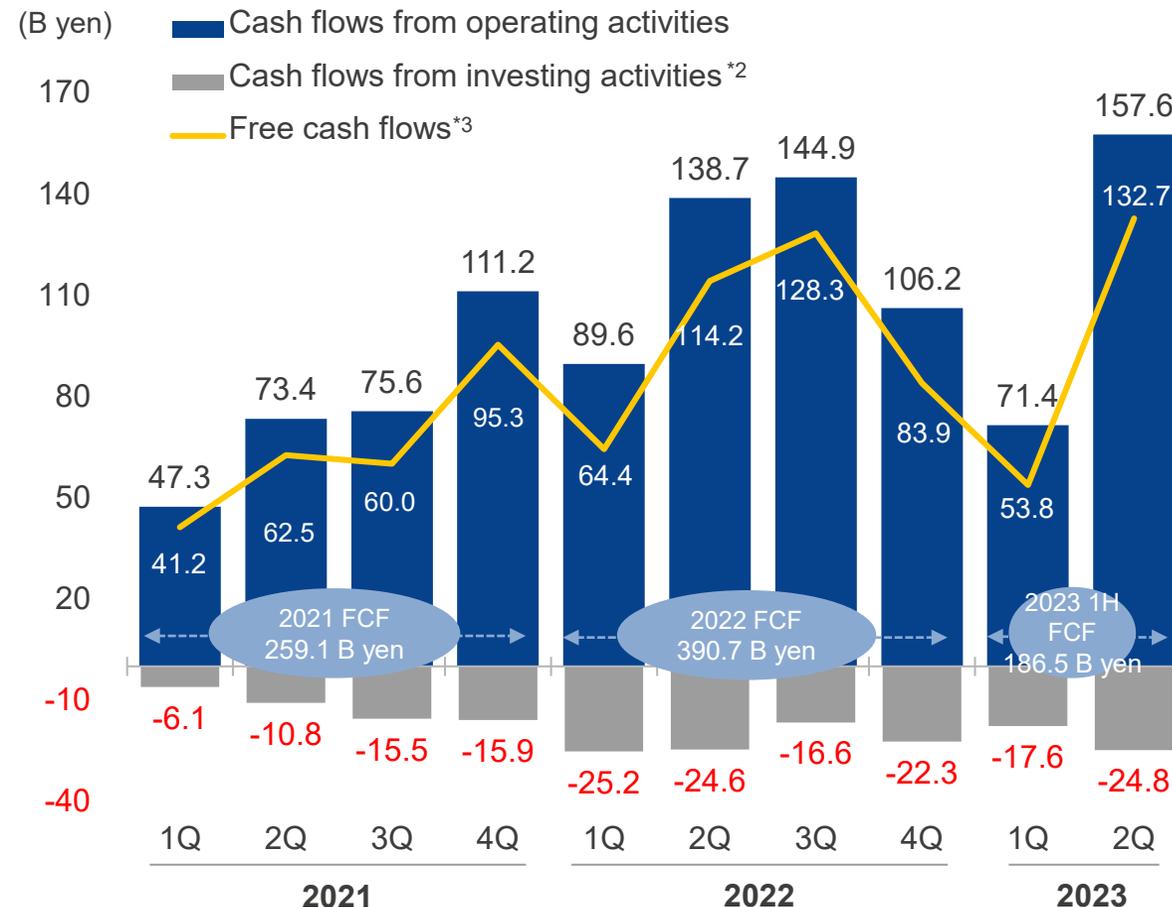


NON-GAAP EBITDA*1 AND GAAP CASH FLOWS

Non-GAAP EBITDA



GAAP Cash Flows



*1: Operating profit + Depreciation and amortization *2: The figures exclude acquisition-related payments and payments for acquisitions of subsidiaries for the contingent consideration

*3: Cash flows from operating activities + Cash flows from investing activities

3Q 2023 FORECAST

NON-GAAP

(B yen)	2022		2023					
	3Q (Jul-Sep)	9 months (Jan-Sep)	2Q (Apr-Jun)	3Q (Jul-Sep) Midpoint Forecast (Range)*1	YoY	QoQ	9 months (Jan-Sep) Forecast	YoY
Revenue	387.6	1,111.4	368.7	370.0 (±7.5)	-4.5% (±1.9pts)	+0.3% (±2.0pts)	1,098.4 (±7.5)	-1.2% (±0.7pt)
(Excluding Foreign Exchange Impact)	-	-	-	-	-5.4%	-0.1%	-	-
Gross Margin	57.0%	58.0%	57.4%	56.5%	-0.5pt	-0.9pt	56.7%	-1.3pts
Operating Margin	36.8%	38.1%	35.0%	32.5%	-4.3pts	-2.5pts	34.1%	-4.1pts
1 US\$ =	135 yen	125 yen	135 yen	138 yen	3 yen depreciation	3 yen depreciation	135 yen	10 yen depreciation
1 Euro=	139 yen	135 yen	146 yen	153 yen	14 yen depreciation	7 yen depreciation	147 yen	13 yen depreciation

*1: Each figure represents comparisons with the midpoint in the sales revenue forecast range

APPENDIX

The figures in this section are mainly based on segment disclosure and GAAP (IFRS) stated on a financial reporting basis and are provided as additional information.

REVENUE AND GROSS PROFIT BY SEGMENT

NON-GAAP

(B yen)		2022					2023			
		1Q (Jan-Mar)	2Q (Apr-Jun)	3Q (Jul-Sep)	4Q (Oct-Dec)	Full-Year (Jan-Dec)	1Q (Jan-Mar)	2Q (Apr-Jun)	YoY	QoQ
Revenue		346.7	377.1	387.6	391.3	1,502.7	359.7	368.7	-2.2%	+2.5%
	Automotive	153.9	163.8	157.8	169.6	645.0	168.3	169.4	+3.4%	+0.7%
	Industrial, Infrastructure, IoT	189.8	210.4	226.8	218.9	845.9	188.8	196.5	-6.6%	+4.1%
	Others	3.0	2.9	3.0	2.9	11.8	2.6	2.8	-3.5%	+7.3%
Gross Profit (Margin)		202.3 (58.4%)	220.9 (58.6%)	220.9 (57.0%)	219.1 (56.0%)	863.2 (57.4%)	202.0 (56.2%)	211.5 (57.4%)	-9.4 (-1.2pts)	+9.5 (+1.2pts)
	Automotive	79.7 (51.8%)	85.2 (52.0%)	77.7 (49.3%)	81.8 (48.2%)	324.4 (50.3%)	88.9 (52.8%)	87.2 (51.5%)	+2.0 (-0.5pt)	-1.7 (-1.3pts)
	Industrial, Infrastructure, IoT	121.6 (64.1%)	134.7 (64.0%)	142.1 (62.7%)	136.8 (62.5%)	535.3 (63.3%)	112.1 (59.4%)	123.0 (62.6%)	-11.7 (-1.5pts)	+10.9 (+3.2pts)
	Others	0.8 (27.2%)	0.8 (28.3%)	0.8 (27.8%)	0.9 (32.1%)	3.4 (28.8%)	1.0 (39.5%)	1.3 (44.6%)	+0.4 (+16.3pts)	+0.2 (+5.1pts)
	Adjustments*1	0.2	0.1	0.2	-0.5	0.0	-0.0	-0.0	-0.1	+0.0

*1: Adjustments include deductions or adjustments of non-recurring items or other specified adjustments, allocated in the reportable segments

OPERATING PROFIT AND EBITDA*1 BY SEGMENT

NON-GAAP

(B yen)	2022					2023			
	1Q (Jan-Mar)	2Q (Apr-Jun)	3Q (Jul-Sep)	4Q (Oct-Dec)	Full Year (Jan-Dec)	1Q (Jan-Mar)	2Q (Apr-Jun)	YoY	QoQ
Operating Profit (Margin)	135.5 (39.1%)	145.3 (38.5%)	142.8 (36.8%)	135.7 (34.7%)	559.4 (37.2%)	124.8 (34.7%)	129.1 (35.0%)	-16.3 (-3.5pts)	+4.3 (+0.3pt)
Automotive	57.5 (37.4%)	59.4 (36.3%)	49.7 (31.5%)	52.6 (31.0%)	219.2 (34.0%)	60.7 (36.1%)	59.1 (34.9%)	-0.3 (-1.4pts)	-1.6 (-1.2pts)
Industrial, Infrastructure, IoT	75.7 (39.9%)	84.3 (40.1%)	91.4 (40.3%)	80.3 (36.7%)	331.8 (39.2%)	63.2 (33.5%)	69.5 (35.4%)	-14.8 (-4.7pts)	+6.3 (+1.9pts)
Others	0.8 (27.2%)	0.8 (28.3%)	0.8 (27.9%)	0.9 (32.1%)	3.4 (28.8%)	1.0 (39.5%)	1.3 (44.6%)	+0.4 (+16.3pts)	+0.2 (+5.1pts)
Adjustments*2	1.5	0.8	0.9	1.9	5.0	-0.2	-0.8	-1.6	-0.6
EBITDA	155.2	165.2	163.4	155.5	639.2	144.3	149.0	-16.2	+4.7
Automotive	68.3	70.0	60.2	62.7	261.3	70.4	68.8	-1.2	-1.6
Industrial, Infrastructure, IoT	84.7	93.5	101.4	90.0	369.6	73.1	79.7	-13.8	+6.7
Others	0.8	0.8	0.8	0.9	3.4	1.0	1.3	+0.4	+0.2
Adjustments*2	1.5	0.8	0.9	1.9	5.0	-0.2	-0.8	-1.6	-0.6

*1: Operating profit + Depreciation and amortization

*2: Adjustments include deductions or adjustments of non-recurring items or other specified adjustments, allocated in the reportable segments

STATEMENT OF FINANCIAL POSITION

GAAP

(B yen)	22/3	22/6	22/9	22/12	23/3	23/6
Total Assets	2,598.7	2,840.3	3,013.3	2,812.5	2,840.8	3,122.4
Cash and Cash Equivalents* ¹	267.2	247.9	310.1	336.1	361.4	458.1
Inventories	155.5	173.3	190.7	188.0	188.2	177.9
Goodwill	1,159.3	1,294.6	1,373.6	1,264.3	1,272.3	1,397.4
Intangible Assets	532.0	559.7	557.4	488.8	466.9	477.9
Total Liabilities	1,252.6	1,391.1	1,359.1	1,275.0	1,179.7	1,226.8
Interest-Bearing Liabilities* ²	810.5	886.0	820.4	770.0	741.4	733.7
Total Equity	1,346.1	1,449.2	1,654.2	1,537.5	1,661.1	1,895.6
D/E Ratio (Gross)*³	0.60	0.61	0.50	0.50	0.45	0.39
D/E Ratio (Net)*⁴	0.40	0.44	0.31	0.28	0.23	0.15
Equity Ratio Attributable to Owners of Parent*⁵	51.7%	50.9%	54.8%	54.5%	58.3%	60.6%
Leverage Ratio (Gross)*⁶	1.8	1.6	1.4	1.2	1.2	1.2
Leverage Ratio (Net)*⁷	1.2	1.2	0.8	0.7	0.6	0.5
Average number of shares during the period (excluding treasury stock) (in million shares)	1,945	1,933	1,788	1,793	1,799	1,763

*1: This is comprised of cash on hand, demand deposit, and short-term investments that are readily convertible into cash, bearing low risk of changes in value and are redeemable in three months or less from each acquisition date

*2: Borrowings (current and non-current liabilities) + Lease Liabilities (current liabilities) + Lease Liabilities (non-current liabilities) + Bonds

*3: Interest-Bearing Liabilities / Equity attributable to owners of parent *4: (Interest-Bearing Liabilities - Cash and Cash Equivalents) / Equity attributable to owners of parent

*5: Equity attributable to owners of parent / Total liabilities and equity *6: Interest-Bearing Liabilities / EBITDA (Non-GAAP) *7: (Interest-Bearing Liabilities-Cash and Cash Equivalents) / EBITDA (Non-GAAP)

GAAP / NON-GAAP RECONCILIATION*1

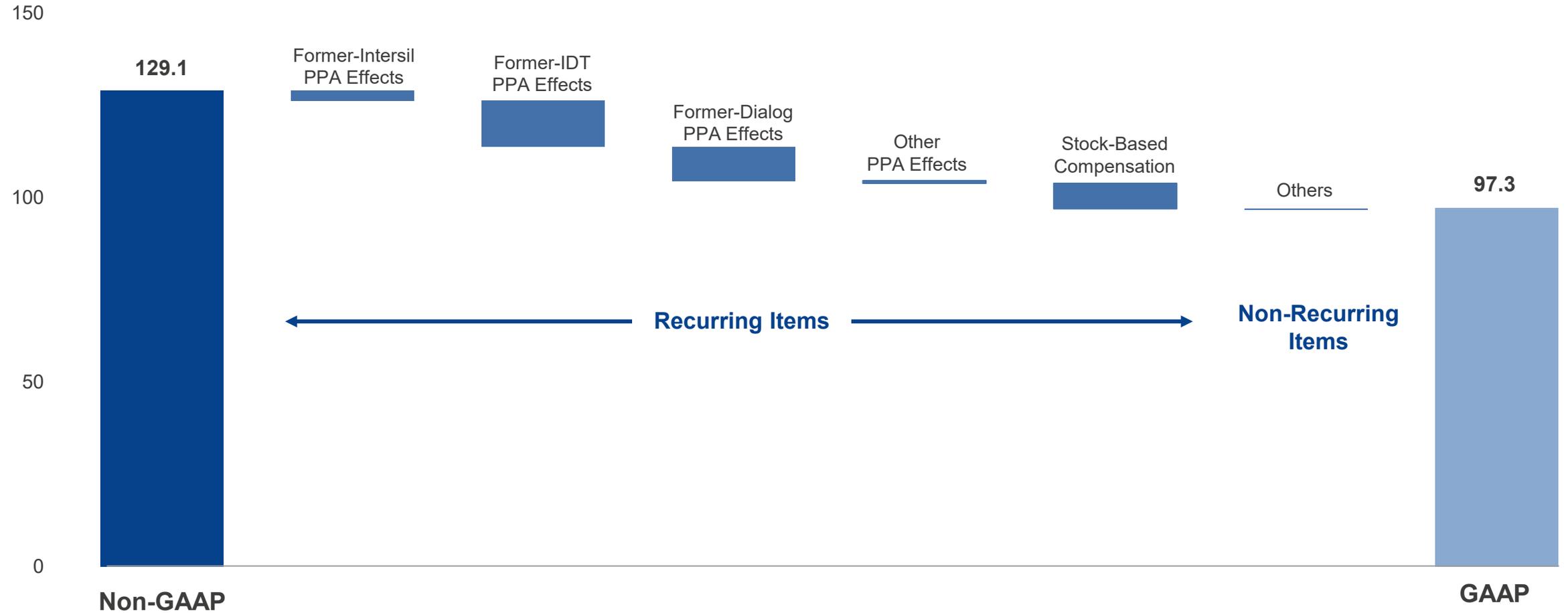
(B yen)	Full-Year 2022 (Jan-Dec)								2023			
	2Q (Jan-Mar)				2Q (Apr-Jun)							
	Gross Profit	Operating Profit	Net Profit	EBITDA	Gross Profit	Operating Profit	Net Profit	EBITDA	Gross Profit	Operating Profit	Net Profit	EBITDA
Non-GAAP (vs Revenue)	220.9 (58.6%)	145.3 (38.5%)	81.4 (21.6%)	165.2 (43.8%)	863.2 (57.4%)	559.4 (37.2%)	377.3 (25.1%)	639.2 (42.5%)	211.5 (57.4%)	129.1 (35.0%)	119.0 (32.3%)	149.0 (40.4%)
Recurring Items	-2.0	-32.3	-28.7	-6.7	-6.0	-127.2	-107.5	-21.5	-0.7	-32.1	-28.3	-6.9
Former-Intersil PPA Effects	-0.1	-3.3	-2.6	-	-0.3	-14.6	-8.7	-	-0.1	-2.7	-2.1	-
Former-IDT PPA Effects	-0.1	-11.6	-10.2	-	-0.5	-48.4	-42.7	-	-0.1	-12.6	-11.1	-
Former-Dialog PPA Effects	-0.5	-10.3	-8.8	-0.4	-2.2	-41.0	-33.0	-1.8	-0.1	-9.2	-7.4	-
Former-Celero PPA Effects	-0.9	-1.7	-1.7	-0.9	-1.5	-5.0	-5.0	-1.5	-	-0.7	-0.7	-
Former-Reality AI PPA Effects	-	-	-	-	-	-0.0	-0.0	-	-	-0.0	-0.0	-
Former-Steradian PPA Effects	-	-	-	-	-	-0.0	-0.0	-	-	-0.0	-0.0	-
Stock-Based Compensation	-0.5	-5.4	-5.4	-5.4	-1.5	-18.1	-18.1	-18.1	-0.4	-6.9	-6.9	-6.9
Non-Recurring Items	-0.9	-2.8	-2.1	-2.4	-3.2	-8.0	-13.2	-7.5	0.4	0.3	-0.0	0.6
Naka Factory Fire Impact	-0.2	-0.2	-0.2	-0.2	-0.9	-0.0	-0.0	-0.0	-	0.1	0.1	0.1
Others	-0.7	-2.6	-1.9	-2.2	-2.3	-8.0	-13.2	-7.5	0.4	0.3	-0.1	0.5
Non-GAAP Adjustments Total	-3.0	-35.1	-30.9	-9.1	-9.2	-135.2	-120.7	-29.0	-0.3	-31.8	-28.4	-6.3
GAAP (vs Revenue)	217.9 (57.9%)	110.2 (29.3%)	50.6 (13.4%)	156.1 (41.4%)	854.0 (56.9%)	424.2 (28.3%)	256.6 (17.1%)	610.2 (40.7%)	211.2 (57.3%)	97.3 (26.4%)	90.6 (24.6%)	142.7 (38.7%)

*1: From 3Q 2021 onwards, Non-GAAP adjustments have been also applied to the revenue following the implementation of PPA

2Q 2023 CONSOLIDATED OPERATING PROFIT

BRIDGE FROM NON-GAAP TO GAAP

(B yen)



2Q 2023 FINANCIAL SNAPSHOT

GAAP

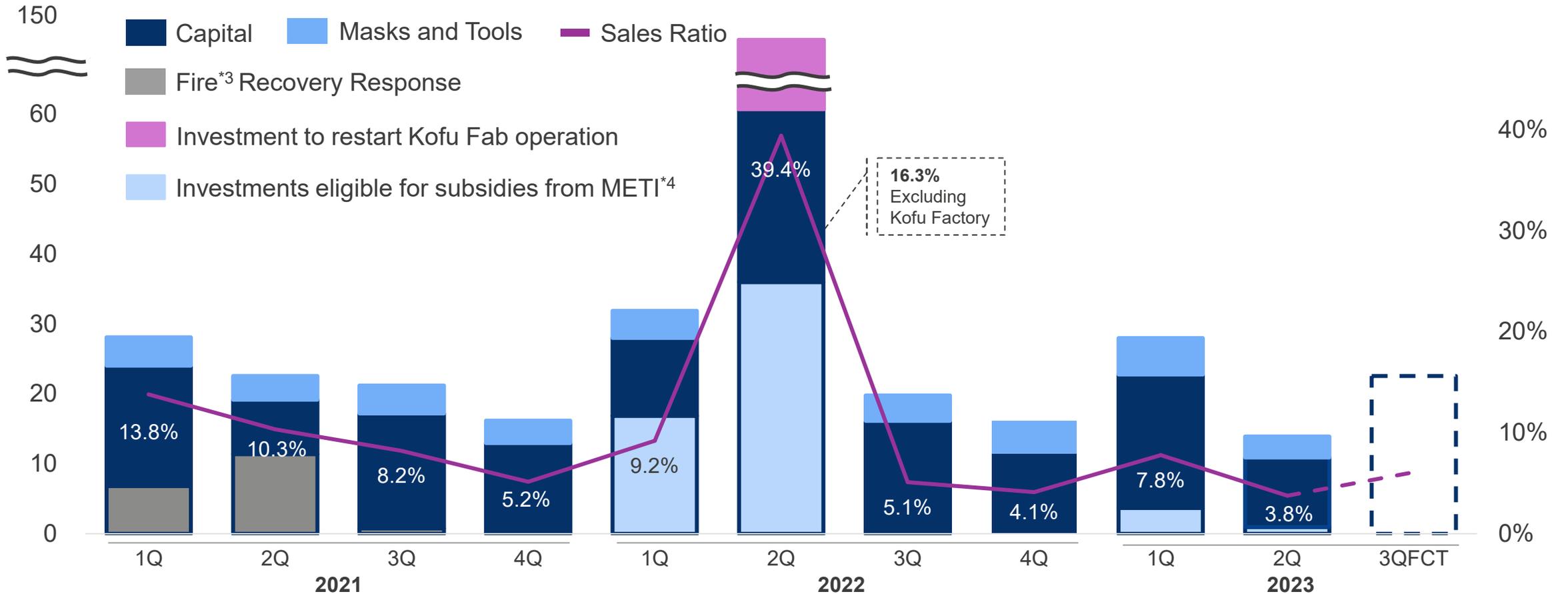
(B yen)	2022		2023					
	2Q (Apr-Jun)	1H (Jan-Jun)	1Q (Jan-Mar)	2Q (Apr-Jun)	YoY	QoQ	1H (Jan-Jun)	YoY
Revenue* ¹	376.6	722.9	359.4	368.7	-2.1%	+2.6%	728.1	+0.7%
Gross Margin	57.9%	57.5%	55.7%	57.3%	-0.6pt	+1.6pts	56.5%	-1.0pt
Operating Profit (Margin)	110.2 (29.3%)	210.0 (29.1%)	123.3 (34.3%)	97.3 (26.4%)	-12.9 (-2.9pts)	-26.0 (-7.9pts)	220.5 (30.3%)	+10.5 (+1.2pts)
Profit Attributable to Owners of Parent	50.6	110.4	105.2	90.6	+40.0	-14.6	195.8	+85.4
EBITDA* ²	156.1	299.9	168.3	142.7	-13.4	-25.6	310.9	+11.0
1 US\$=	124 yen	120 yen	133 yen	135 yen	10 yen depreciation	2 yen depreciation	134 yen	14 yen depreciation
1 Euro=	134 yen	132 yen	142 yen	146 yen	12 yen depreciation	4 yen depreciation	144 yen	12 yen depreciation

*1: Non-GAAP adjustments have been also applied to the revenue following the implementation of PPA. The revenue figures in this page are based on IFRS.

*2: Operating profit + Depreciation and amortization

CAPITAL EXPENDITURES*1*2

(B yen)



*1: The figures represent the investment decision basis tangible and intangible assets and do not match the sum listed in the cash flow statement. However, the investment amount for former Dialog and Celeno is based on equipment delivery

*2: Total amount of the Group's capital investment, including investments made by former Dialog from 3Q 2021 and by former Celeno from 1Q 2022

*3: The fire which occurred at a Renesas consolidated subsidiary on March 19, 2021

*4: Up to one-third (partially three-quarter) of the investments that are eligible for subsidies from METI will be subsidized. METI: Ministry of Economy, Trade and Industry

SiC WAFER SUPPLY AGREEMENT WITH WOLFSPEED

Agreement Highlights

Renesas and Wolfspeed signed a 10-year SiC wafer supply agreement

Renesas provides \$2 Billion deposit to Wolfspeed and supports Wolfspeed's U.S. capacity expansion plans

Wolfspeed supplies Renesas with both 150mm and 200mm silicon carbide bare and epitaxial wafers

Purpose

-  Secure a stable, long-term supply base of quality SiC wafers for mass production of SiC semiconductors starting in 2025
-  Fortify Renesas' commitment to boost its power semiconductor roadmap to better serve its customers' vast array of applications spanning EVs, renewable energy and more
-  Aim to be a key player in the rapidly expanding SiC market

Renesas.com

(FORWARD-LOOKING STATEMENTS)

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