FY2024 1H

Consolidated Financial Results

MITSUBISHI GAS CHEMICAL COMPANY, INC.

November 8, 2024

TSE 4182



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FY2024 1H Results

Net sales: Decreased due mainly to the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate, despite higher methanol market prices, growth in sales volumes of such products as optical polymers for smartphone use and electronics materials, the depreciation of the yen, and other positive factors.

Operating profit: Increased due mainly attributable to overall growth in earnings from the Specialty Chemicals business segment compared with the same period of the previous fiscal year despite such negative factors as the aforementioned transition of JSP Corporation to equity-method affiliate.

Ordinary profit: Rose due to the increase in operating profit as well as higher methanol market prices and other positive factors leading to improvement in equity in earnings of affiliates.

Interim profit attributable to owners of parent: Decreased due primarily to the absence of gain on step acquisitions recorded in the same period of the previous fiscal year in connection with the inclusion of Mitsubishi Engineering Plastics Corporation into the scope of consolidation. (-15.0 billion yen)

[JPY in billions]	FY2023 1H	FY2024 1H	Changes Amount	Changes %	FY2024 1H Previous Forecast*
Net Sales	399.6	388.1	-11.5	-2.9	390.0
Operating profit	22.1	33.7	+11.6	+52.7	28.0
Equity in earnings of affiliates	(1.0)	(5.9)	+6.9	-	5.7
Ordinary profit	24.9	37.4	+12.4	+50.1	33.0
Profit attributable to owners of parent	31.2	24.7	-6.5	-20.8	23.0
E P S (JPY)	152.67	123.47			114.86
FX (JPY/USD)	141	153			

*Announced on Aug. 7, 2024

(Note) Figures shown on this and the following pages are rounded down to the closest 0.1 billion. Percentage figures, per-share indicators, and performance assumptions are rounded off to the closest whole number.

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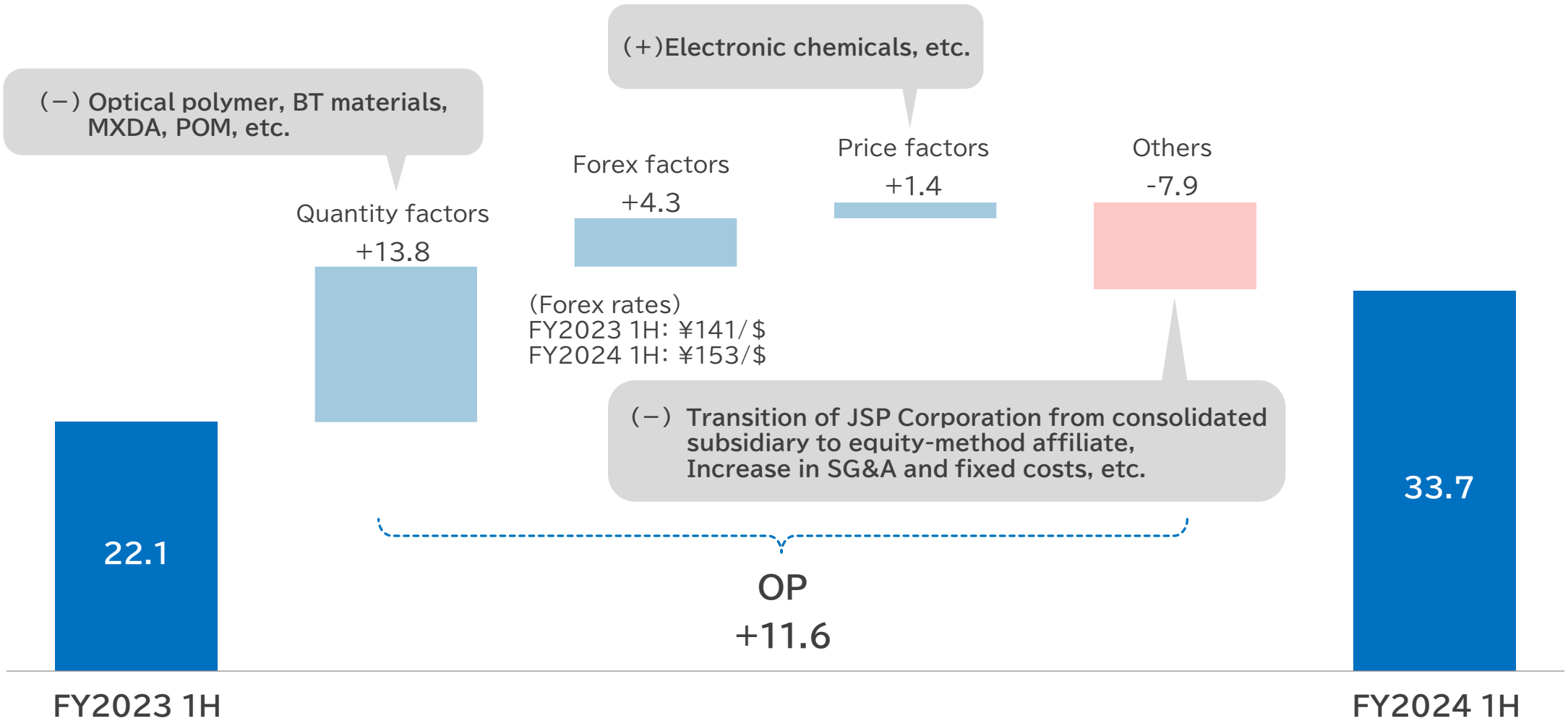
FY2024 1H Increase and Decrease Factors of Operating Profit (YoY)

[JPY in billions]



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FY2024 Full-Year Forecast

– The engineering plastics business has been benefitting from improvement in profitability and sales of optical polymer for smartphone use remained strong. Taking these and other factors into account, the Group expects operating profit and ordinary profit to exceed the previous forecasts.

[JPY in billions]	FY2024 Previous Forecast*1	FY2024 Revised Forecast	Changes Amount	Changes %	FY2023
Net sales	790.0	770.0	-20.0	-2.5%	813.4
Operating profit	54.0	56.0	+2.0	+3.7%	47.3
Ordinary profit	62.0	63.0	+1.0	+1.6%	46.0
Profit attributable to owners of parent	48.0	48.0	-	-	38.8
E P S (JPY)	239.69	243.10			190.97
R O E (%)	7.2	7.3			6.1
R O I C*2 (%)	6.6	6.8			3.3
FX (JPY/USD)	151	149			145

*1 Announced on Aug. 7, 2024
*2 ROIC=Ordinary profit/invested capital

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Key Points of FY2024 Full-Year Forecast

- Changes from previous forecast : net sales -¥20.0 billion; operating profit +¥2.0 billion; ordinary profit +¥1.0 billion

Key individual change factors

（－）Sales downturn in electronics materials and inorganic chemicals (electronic chemicals) (delayed recovery of semiconductor-related demand)

（－）Forex factors (appreciation of the yen*1)

（＋）Upturn in optical polymers sales, improved profitability for engineering plastics (PC, POM)

（＋）Decrease in SG&A expenses

*1 Full-year forecast ($1=¥151(previous forecast) → $1=¥149(revised forecast))

- Year-end dividend forecast : ¥50 (up ¥5 from previous forecast*2)

*2 Announced on May 10, 2024

■Assumed exchange rates (2H): $1=¥145 (¥5 appreciation against the previous forecast), €1=¥155 (¥5 appreciation against the previous forecast)

(Sensitivity (USD, rough estimate): with an appreciation (depreciation) of ¥1 against the USD, annual operating profit falls (increases) by ¥0.6bn, while annual ordinary profit falls (increases) by ¥0.6bn)
(Sensitivity (EUR, rough estimate): with an appreciation (depreciation) of ¥1 against the EUR, annual operating profit falls (increases) by ¥0.1bn, while annual ordinary profit falls (increases) by ¥0.1bn.)

■Assumed crude oil prices (2H): $80/bbl. (same as the previous forecast)

(Sensitivity (USD, rough estimate): $1/bbl. Increase (drop) in crude oil reduces (raises) profit by ¥0.25bn, excluding methanol affect)

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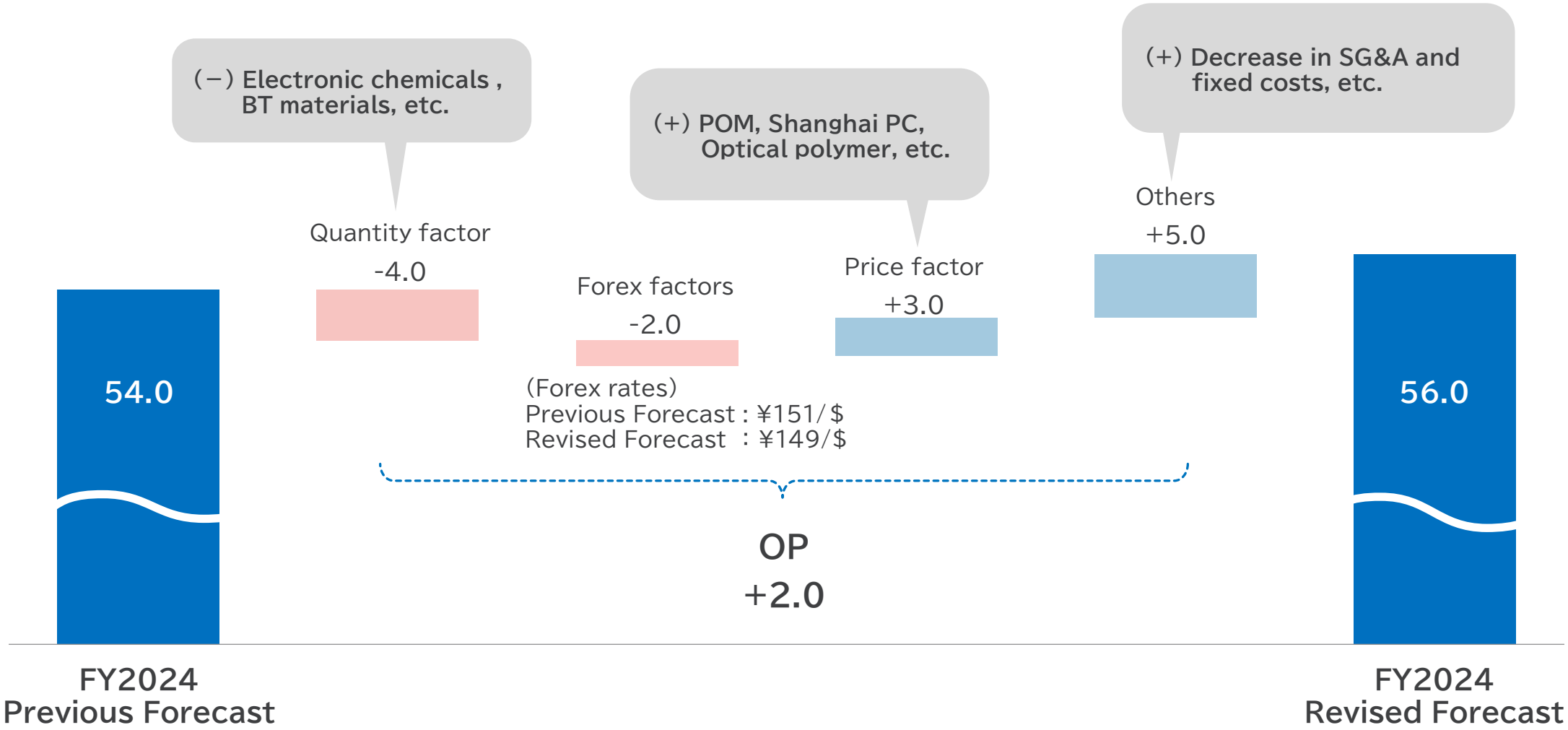
FY2024(F) Increase and Decrease Factors of Operating Profit (vs. Previous Forecast)

[JPY in billions]



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Shareholder Return / Financial Strategy

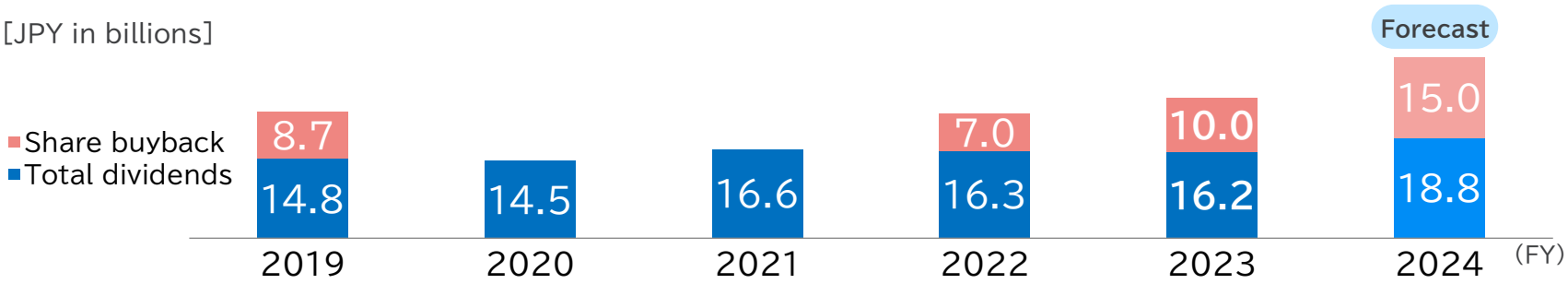
- In the medium-term management plan, the Group is working to enhance its profitability with an eye to curbing the cost of capital and strengthening the resiliency of its business portfolio. Moreover, the Group has adopted a progressive dividend policy *1 while upwardly revising its total shareholder return ratio target to 50% *2. As such, the Group is committed to proactively delivering shareholder returns.
- The Group's efforts under way to reduce the cost of capital include strengthening control over the balance sheet via, for example, the use of financial leverage in a way that maintains financial soundness.

*1: Covers the three-year period of the medium-term management plan. Dividends will be in principle, no reduction – either increase or maintain.
*2: Raise medium-to long term for shareholder return ratio from 40% to 50%.

Giving comprehensive consideration to balancing the reduction of the cost of capital with the enhancement of capital efficiency and the maintenance of financial soundness, the Group decided on Nov. 8, 2024, to execute share repurchases, in addition to planning to increase annual dividends.

- Revising Dividend Forecasts : Annual dividend for FY2024 expected to be ¥95 per share. Interim dividend ¥45, the year-end dividend forecast of ¥50 per share(Dividend increased by ¥5 from the previous forecast *3)
  *3 Announced on May 10, 2024
- Share Repurchases : MGC decided to repurchase (up to ¥15 billion/5.6 million shares*4) and cancel (5.6 million shares) its own shares.
  *4 Representing 2.80% of the total number of issued shares (excluding treasury shares)

[JPY in billions]



	2019	2020	2021	2022	2023	2024
Net profit (JPY in billions)	21.1	36.0	48.2	49.0	38.8	48.0
Annual dividend (Yen/share)	70	70	80*5	80	80	95

*5 Interim ¥45 (commemorative ¥10), year-end ¥35

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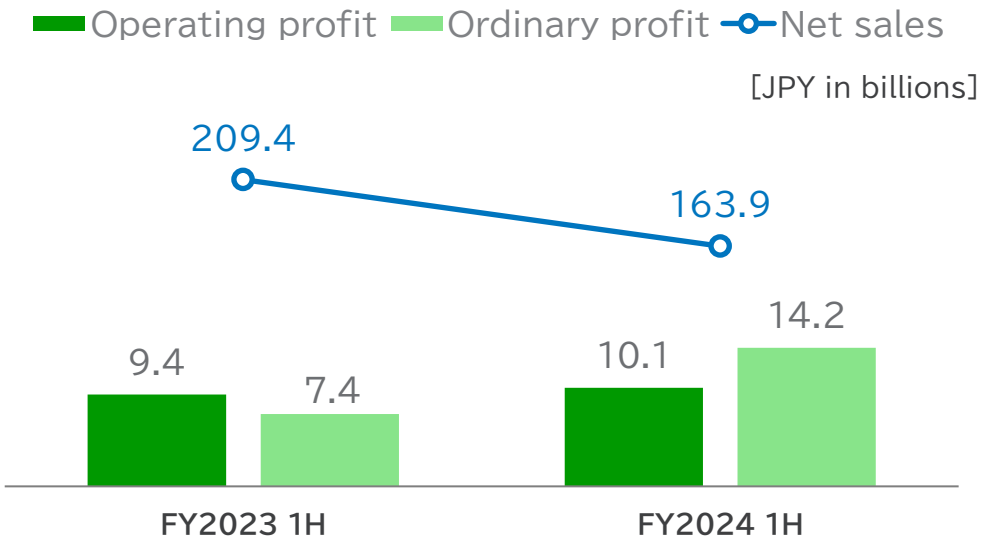
Green Energy & Chemicals (former Basic Chemicals)

FY2024 1H Results

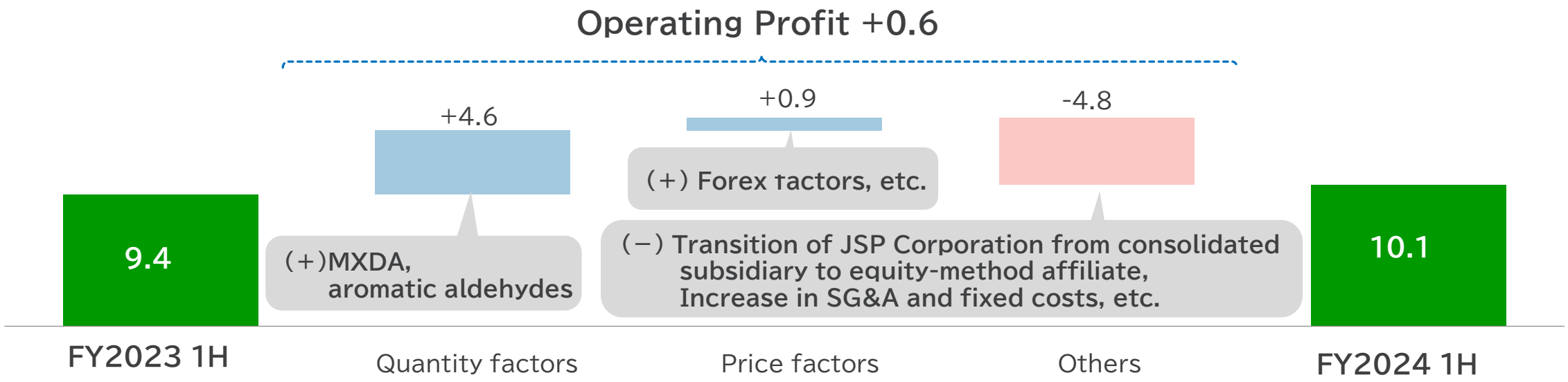
Net sales: Decrease due to the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate.

Operating profit: Increased due to the higher sales volume of MXDA and Aromatic aldehydes, the depreciation of the yen, etc.

Ordinary profit:Increased due to improvement in equity-method earnings from overseas methanol producing companies, etc.



【 FY2024 1H Increase and Decrease Factors of Operating Profit (YoY)】



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Green Energy & Chemicals (former Basic Chemicals)

[JPY in billions]	FY2023 1H Results	FY2024 1H Results	Changes
Net sales	209.4	163.9	-45.4
Natural Gas	97.5	119.5	+21.9
Aromatic	113.3	44.9	-68.4*
Other/Adjustment	(1.5)	(0.4)	+1.0
Operating profit	9.4	10.1	+0.6
Natural Gas	4.1	7.7	+3.5
Aromatic	5.3	2.3	-2.9
Other/Adjustment	(0.0)	0.0	+0.0
Ordinary profit	7.4	14.2	+6.8
Natural Gas	1.8	11.0	+9.1
Aromatic	5.6	3.2	-2.4
Other/Adjustment	(0.0)	0.0	+0.0

(Note) Breakdown shows segments by major product group

*Decreased due to the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate.

		FY2024 1H Results (Compared with FY2023 1H Results)	
Natural Gas Chemicals	Methanol	↗	Increased in both net sales and earnings due primarily to higher market prices compared with the same period of the previous fiscal year.
	Methanol and ammonia-based chemicals	↗	Increased in both net sales and earnings due mainly to recovery in the sales volume of MMA products and higher market prices, in addition to the depreciation of the yen.
	The energy resources And environmental business	↗	Increased in net sales and earnings due primarily to the higher sales volume of LNG for power generation use, along with growth in the sales volume of iodine, and rising market prices for this offering.
Aromatic Chemicals	MXDA, aromatic aldehydes, polymer materials	↘	Increased in net sales, but recorded a decrease in earnings, reflecting such factors as the lower sales volume of derivatives for China-bound exports and higher fixed costs, despite a recovery trend in demand for products targeting European and U.S. customers.
	Xylene separators and derivatives	→	Earnings on par with the same period of the previous fiscal year, despite stagnant market prices for purified isophthalic acid (PIA), thanks to the depreciation of the yen and other positive factors.

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Green Energy & Chemicals (former Basic Chemicals)

[JPY in billions]	FY2024 1H Results	FY2024 2H Forecast	Changes
Net sales	**163.9**	**164.1**	+0.1
Natural Gas	119.5	114.4	-5.0
Aromatic	44.9	50.2	+5.3
Other/Adjustment	(0.4)	(0.5)	-0.0
Operating profit	**10.1**	**4.7**	-5.4
Natural Gas	7.7	3.2	-4.4
Aromatic	2.3	1.4	-0.9
Other/Adjustment	0.0	(0.0)	-0.0
Ordinary profit	**14.2**	**8.4**	-5.8
Natural Gas	11.0	6.0	-4.9
Aromatic	3.2	2.3	-0.8
Other/Adjustment	0.0	(0.0)	-0.0

(Note) Breakdown shows segments by major product group

		FY2024 2H Forecast (Compared with FY2024 1H Results)	
Natural Gas Chemicals	Methanol	↘	Market prices are expected to rise mainly due to limited raw material natural gas supplies in winter (1H $333 →2H forecast $345). However, lower earnings are expected due to appreciation of the yen and other factors.
	Methanol and ammonia-based chemicals	↘	Outlook for demand is firm but lower earnings are projected mainly due to turnaround maintenance of MMA plant.
	The energy resources And environmental business	↘	Lower net sales and earnings are projected mainly due to concentration of sales of LNG for power generation in the first half. Iodine sales are expected to remain firm.
Aromatic Chemicals	MXDA, aromatic aldehydes, polymer materials	↘	While sales volume is expected to continue rebounding, lower earnings are projected due to turnaround maintenance (4Q).
	Xylene separators and derivatives	↘	Market prices for purified isophthalic acid (PIA) are expected to remain weak. Lower earnings are projected, due also to turnaround maintenance (4Q).

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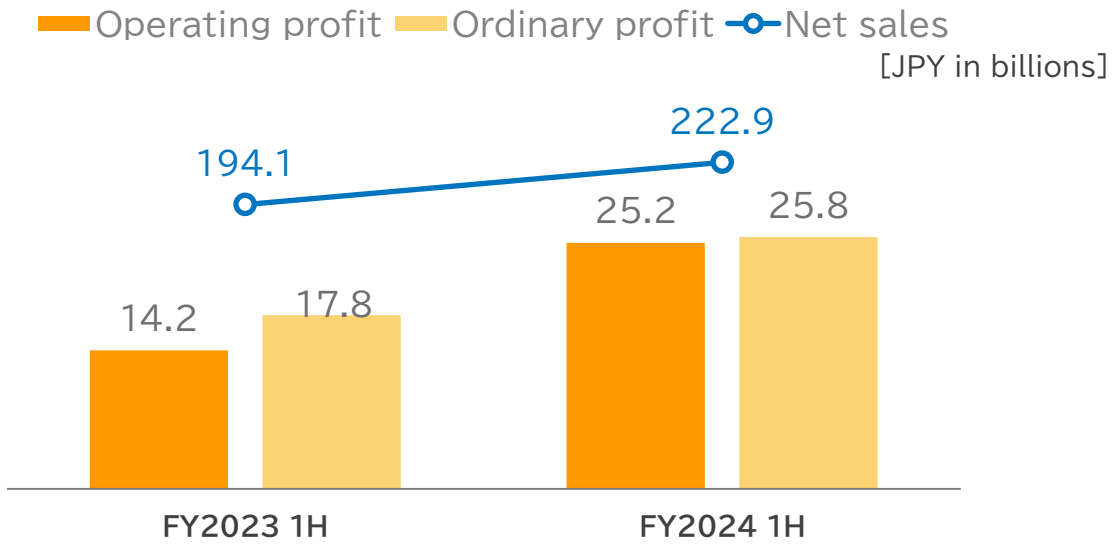
Specialty Chemicals

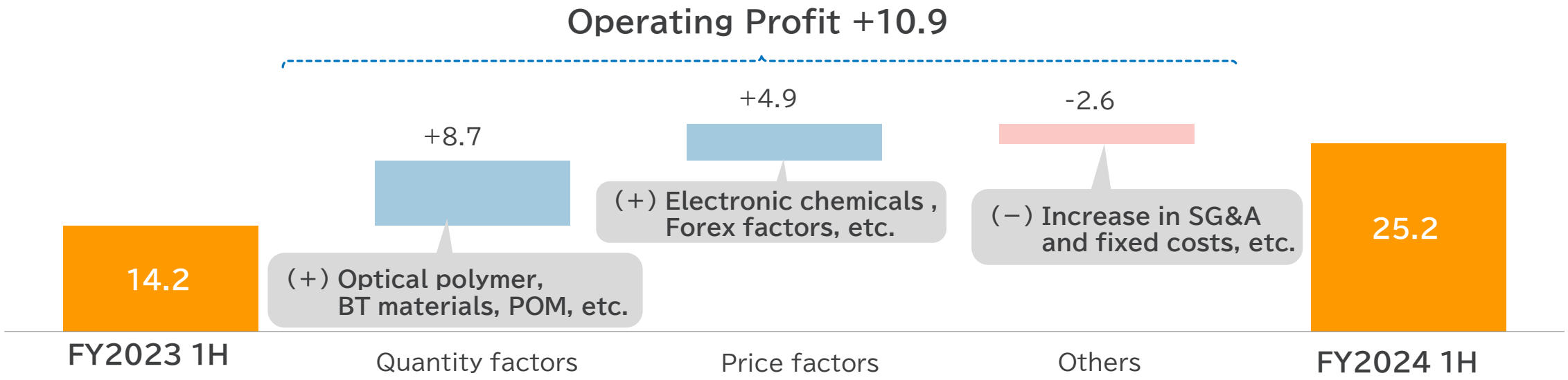
FY2024 1H Results

Net sales, Operating profit:Increased in both net sales and earnings due to a recovery in demand for semiconductors in inorganic chemicals and electronics materials, as well as higher sales volumes of optical polymer for smartphones and improved profitability of engineering plastics, etc.

Interim profit attributable to owners of parent :Decreased due primarily to the absence of gain on step acquisitions recorded in the same period of the previous fiscal year in connection with the inclusion of Mitsubishi Engineering Plastics Corporation into the scope of consolidation (-15.0 billion yen) , etc.



【 FY2024 1H Increase and Decrease Factors of Operating Profit (YoY)】



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Specialty Chemicals

[JPY in billions]	FY2023 1H Results	FY2024 1H Results	Changes
Net sales	**194.1**	**222.9**	+28.7
Specialty	164.8	186.6	+21.7
Information & Advanced Materials	29.3	36.2	+6.9
Other/Adjustment	(0.0)	(0.0)	+0.0
Operating profit	**14.2**	**25.2**	+10.9
Specialty	8.8	17.2	+8.3
Information & Advanced Materials	5.3	7.9	+2.6
Other/Adjustment	(0.0)	0.0	+0.0
Ordinary profit	**17.8**	**25.8**	+7.9
Specialty	11.6	16.8	+5.2
Information & Advanced Materials	6.1	8.9	+2.7
Other/Adjustment	(0.0)	0.0	+0.0

(Note) Breakdown shows segments by major product group

		FY2024 1H Results (Compared with FY2023 1H Results)	
Specialty Chemicals	Inorganic chemicals	↗	Increased in both net sales and earnings, reflecting such factors as robust showings of chemicals for use in semiconductor manufacturing, as semiconductor demand returned to a recovery track from previous stagnation.
	Engineering plastics	↗	Increased in both net sales and earnings due to higher sales volumes of such offerings as products related to office automation equipment, in addition to improvement in manufacturing costs.
	Optical materials	↗	Increased in both net sales and earnings on the back of the higher sales volume of optical polymer that reflected a trend toward increasing the sophistication of smartphone camera functions, growing demand for products targeting emerging nations, and other factors.
Information & Advanced Materials	Electronics materials	↗	Increased in net sales and earnings, due mainly to ongoing recovery in demand for smartphone-related and other BT materials for IC plastic packaging, the core product category for electronic s materials.
	Oxygen absorbers	↗	Increased in net sales and earnings due to improvement in export prices and the higher sales volume of products for overseas customers.

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Specialty Chemicals

[JPY in billions]	FY2024 1H Results	FY2024 2H Forecast	Changes
Net sales	**222.9**	**217.8**	-5.0
Specialty	186.6	177.3	-9.3
Information & Advanced Materials	36.2	40.5	+4.2
Other/Adjustment	(0.0)	(0.0)	-0.0
Operating profit	**25.2**	**19.7**	-5.4
Specialty	17.2	9.7	-7.4
Information & Advanced Materials	7.9	10.0	+2.0
Other/Adjustment	0.0	(0.0)	-0.0
Ordinary profit	**25.8**	**19.4**	-6.4
Specialty	16.8	9.2	-7.6
Information & Advanced Materials	8.9	10.1	+1.2
Other/Adjustment	0.0	(0.0)	-0.0

(Note) Breakdown shows segments by major product group

		FY2024 2H Forecast (Compared with FY2024 1H Results)	
Specialty Chemicals	Inorganic chemicals	↘	While the outlook is for a continued rebound in demand for chemicals for semiconductors, lower earnings are projected, incorporating higher fixed costs accompanying the start of operations at new plants of overseas subsidiaries, and other factors.
	Engineering plastics	↘	Lower earnings are projected, reflecting an increase in fixed cost burden largely due to scheduled maintenance in the second half, declining market prices, and incorporation of persistently high transportation costs, among other factors.
	Optical materials	→	Robust sales are expected to continue, backed by the trend toward high performance in smartphone cameras, enhancement of new models, and other factors.
Information & Advanced Materials	Electronics materials	↗	Increased sales volume is expected on recovery in demand across the board, from high-performance materials for smartphones to general-purpose materials.
	Oxygen absorbers	→	Favorable sales are expected, continuing on from the first half of the year.

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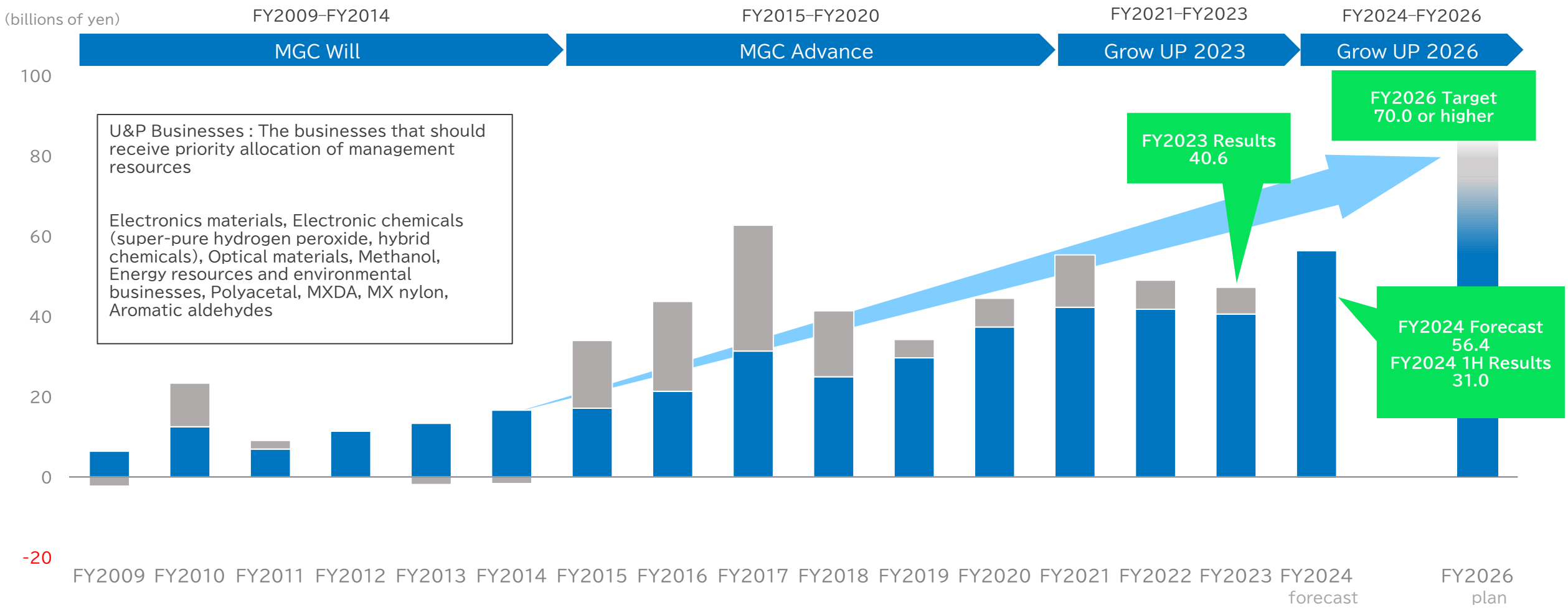
Operating Profit Trend of Uniqueness & Presence Businesses

– Re-expand during this medium-term management plan, mainly by promoting the three ICT businesses as growth drivers

Operating profit (U&P businesses Other businesses (including head office expenses, etc. that cannot be attributed to GEC and Specialty business sectors))



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Appendix

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Results and Forecast by Segment

[JPY in billions]	FY2023 Results			FY2024 Previous Forecast*			FY2024 Revised Forecast		
	1H	2H	FY	1H	2H	FY	1H	2H	FY
Net sales	399.6	413.7	813.4	390.0	400.0	790.0	**388.1**	**381.8**	**770.0**
GEC	209.4	203.4	412.8	167.9	161.7	329.7	**163.9**	**164.1**	**328.1**
Specialty Chemicals	194.1	215.0	409.2	216.3	230.5	446.9	**222.9**	**217.8**	**440.7**
Other/Adjustment	(3.9)	(4.7)	(8.6)	5.6	7.7	13.3	**1.2**	**(0.1)**	**1.1**
Operating profit	22.1	25.2	47.3	28.0	26.0	54.0	**33.7**	**22.2**	**56.0**
GEC	9.4	8.2	17.7	7.5	4.9	12.4	**10.1**	**4.7**	**14.8**
Specialty Chemicals	14.2	18.8	33.0	22.2	23.0	45.3	**25.2**	**19.7**	**44.9**
Other/Adjustment	(1.6)	(1.9)	(3.5)	(1.7)	(2.0)	(3.7)	**(1.5)**	**(2.2)**	**(3.8)**
Ordinary profit	24.9	21.0	46.0	33.0	29.0	62.0	**37.4**	**25.5**	**63.0**
GEC	7.4	2.6	10.1	11.4	8.7	20.1	**14.2**	**8.4**	**22.7**
Specialty Chemicals	17.8	20.7	38.6	23.3	22.3	45.6	**25.8**	**19.4**	**45.3**
Other/Adjustment	(0.4)	(2.3)	(2.7)	(1.8)	(2.0)	(3.8)	**(2.7)**	**(2.2)**	**(5.0)**

* Announced on Aug 7, 2024

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Reference: Results and Forecast by Major Product Groups

[JPY in billions]	FY2023 Results			FY2024 Previous Forecast*			FY2024 Revised Forecast		
	1H	2H	FY	1H	2H	FY	1H	2H	FY
Net sales	399.6	413.7	813.4	390.0	400.0	790.0	338.1	381.8	770.0
Natural Gas	97.5	118.0	215.5	123.8	114.5	238.3	119.5	114.4	233.9
Aromatic	113.3	87.2	200.6	44.5	47.6	92.2	44.9	50.2	95.1
Specialty	164.8	180.3	345.2	179.9	189.4	369.4	186.6	177.3	364.0
Information & Advanced Materials	29.3	34.7	64.0	37.4	42.2	79.7	36.2	40.5	76.7
Other/Adjustment	(5.5)	(6.5)	(12.0)	4.1	6.0	10.2	0.7	(0.6)	0.1
Operating profit	22.1	25.2	47.3	28.0	26.0	54.0	33.7	22.2	56.0
Natural Gas	4.1	4.4	8.5	4.6	2.8	7.5	7.7	3.2	10.9
Aromatic	5.3	3.7	9.1	2.8	2.0	4.9	2.3	1.4	3.8
Specialty	8.8	10.5	19.4	13.1	11.6	24.8	17.2	9.7	26.9
Information & Advanced Materials	5.3	8.3	13.6	9.0	11.3	20.4	7.9	10.0	18.0
Other/Adjustment	(1.6)	(1.8)	(3.5)	(1.7)	(1.9)	(3.7)	(1.5)	(2.2)	(3.8)
Ordinary profit	24.9	21.0	46.0	33.0	29.0	62.0	37.4	25.5	63.0
Natural Gas	1.8	(1.8)	0.0	7.2	6.2	13.4	11.0	6.0	17.1
Aromatic	5.6	4.4	10.1	4.2	2.4	6.7	3.2	2.3	5.5
Specialty	11.6	11.8	23.4	13.1	10.5	23.6	16.8	9.2	26.1
Information & Advanced Materials	6.1	8.9	15.1	10.1	11.7	21.9	8.9	10.1	19.1
Other/Adjustment	(0.4)	(2.3)	(2.8)	(1.8)	(2.0)	(3.8)	(2.6)	(2.3)	(5.0)

(Note) These are reference values calculated according to past segments.

* Announced on Aug 7, 2024

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Quarterly Results by Segment

[JPY in billions]	FY2023 Results				FY2024 Results	
	1Q	2Q	3Q	4Q	1Q	2Q
Net sales	187.0	212.6	222.0	191.6	**188.1**	**200.0**
GEC	101.9	107.4	115.5	87.8	**78.3**	**85.5**
Specialty Chemicals	87.2	106.9	108.7	106.2	**109.2**	**113.6**
Other/Adjustment	(2.1)	(1.7)	(2.2)	(2.4)	**0.4**	**0.8**
Operating profit	6.2	15.8	16.5	8.6	**15.7**	**18.0**
GEC	3.2	6.2	6.9	1.2	**4.1**	**6.0**
Specialty Chemicals	3.5	10.6	10.7	8.1	**12.6**	**12.6**
Other/Adjustment	(0.5)	(1.0)	(1.1)	(0.7)	**(0.9)**	**(0.6)**
Ordinary profit	7.0	17.9	18.4	2.6	**17.9**	**19.4**
GEC	2.0	5.4	9.0	(6.3)	**4.5**	**9.7**
Specialty Chemicals	4.7	13.1	11.4	9.3	**13.9**	**11.9**
Other/Adjustment	0.2	(0.6)	(2.0)	(0.3)	**(0.5)**	**(2.2)**

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Reference: Quarterly Results by Major Product Groups

JPY in billions]	FY2023 Results				FY2024 Results	
	1Q	2Q	3Q	4Q	1Q	2Q
Net sales	187.0	212.6	222.0	191.6	**188.1**	**200.0**
Natural Gas	49.2	48.3	54.5	63.4	**56.5**	**62.9**
Aromatic	53.5	59.8	61.9	25.3	**22.0**	**22.8**
Specialty	73.5	91.3	91.2	89.0	**91.0**	**95.6**
Information & Advanced Materials	13.6	15.6	17.5	17.1	**18.2**	**17.9**
Other/Adjustment	(2.9)	(2.5)	(3.1)	(3.4)	**0.1**	**0.5**
Operating profit	6.2	15.8	16.5	8.6	**15.7**	**18.0**
Natural Gas	1.8	2.2	1.6	2.8	**2.7**	**4.9**
Aromatic	1.3	3.9	5.3	(1.5)	**1.3**	**1.0**
Specialty	1.6	7.2	6.3	4.1	**8.4**	**8.8**
Information & Advanced Materials	1.8	3.4	4.3	3.9	**4.1**	**3.8**
Other/Adjustment	(0.6)	(1.0)	(1.1)	(0.7)	**(0.9)**	**(0.6)**
Ordinary profit	7.0	17.9	18.4	2.6	**17.9**	**19.4**
Natural Gas	0.5	1.2	3.3	(5.1)	**2.6**	**8.3**
Aromatic	1.5	4.1	5.7	(1.2)	**1.7**	**1.4**
Specialty	2.4	9.2	6.5	5.2	**9.0**	**7.8**
Information & Advanced Materials	2.2	3.9	4.8	4.1	**4.9**	**4.0**
Other/Adjustment	0.2	(0.6)	(2.0)	(0.3)	**(0.4)**	**(2.2)**

(Note) These are reference values calculated according to past segments.

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FY2024 1H Non-Operating and Extraordinary Items

[JPY in billions]	FY2023 1H	FY2024 1H	Changes
Non-operating items	**2.8**	**3.6**	**+0.8**
Equity in earnings of affiliates	(1.0)	5.9	+6.9
Financial income or losses	2.1	1.0	-1.0
Foreign exchange gains or losses	2.5	(1.9)	-4.5
Others	(0.7)	(1.3)	-0.5
Extraordinary income	**18.3**	**1.1**	**-17.2**
補助金	0.3	0.9	+0.6
Gains on sales of investment securities	2.8	0.1	-2.7
Gains on step acquisitions	15.0	-	-15.0
Others	0.1	-	-0.1
Extraordinary losses	**(0.6)**	**(1.6)**	**-1.0**
Loss on tax purpose reduction entry of non-current assets	(0.2)	(0.6)	-0.4
Provision for business structure improvement	-	(0.5)	-0.5
Impairment losses	-	(0.1)	-0.1
Others	(0.4)	(0.2)	+0.1
Total extraordinary income and losses	**17.7**	**(0.5)**	**-18.3**

- **Equity in earnings of affiliates**
  GEC +6.9
  Specialty Chemicals -0.0 etc.

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FY2024 1H Balance Sheets

[JPY in billions]	Mar. 31, 2024	Sep. 30, 2024	Changes
Current assets	463.1	**454.5**	-8.5
Cash and deposits	71.4	**71.7**	+0.3
Trade notes and Accounts receivable	165.6	**151.3**	-14.3
Inventories	200.5	**207.2**	+6.7
Others	25.5	**24.2**	-1.3
Non-current assets	604.8	**632.9**	+28.1
Tangible assets	314.6	**336.6**	+22.0
Intangible assets	24.8	**24.4**	-0.3
Investments and other assets	265.3	**271.8**	+6.4
Total assets	1,068.0	**1,087.5**	+19.5

[JPY in billions]	Mar. 31, 2024	Sep. 30, 2024	Changes
Liabilities	383.1	**381.4**	-1.7
Trade note and accounts payable	109.0	**94.7**	-14.2
Interest-bearing debt	173.0	**190.1**	+17.1
Others	101.1	**96.5**	-4.6
Net assets	684.8	**706.1**	+21.2
Shareholders' equity	587.6	**603.9**	+16.3
Accumulated other comprehensive income	70.1	**71.1**	+1.0
Non controlling interest	27.0	**30.9**	+3.8
Total liabilities and net assets	1,068.0	**1,087.5**	+19.5

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FY2024 1H Cash Flows

[JPY in billions]	FY2023 1H	FY2024 1H	Changes
Operating activity cash flows	36.9	35.5	-1.3
Investing activity cash flows	(19.3)	(49.6)	-30.3
Free cash flows	17.6	(14.0)	-31.6
Financing activity cash flows	(16.7)	8.6	+25.4
Effect of exchange rate change on cash and cash equivalents	6.3	1.2	-5.0
Net increase (decrease) in cash and cash equivalents	7.1	(4.1)	-11.3
Cash and cash equivalents at beginning of period	101.1	65.3	-35.7
Increase in cash and cash equivalents resulting from inclusion of subsidiaries in consolidation	-	0.6	+0.6
Cash and cash equivalents at end of period	108.3	61.8	-46.4

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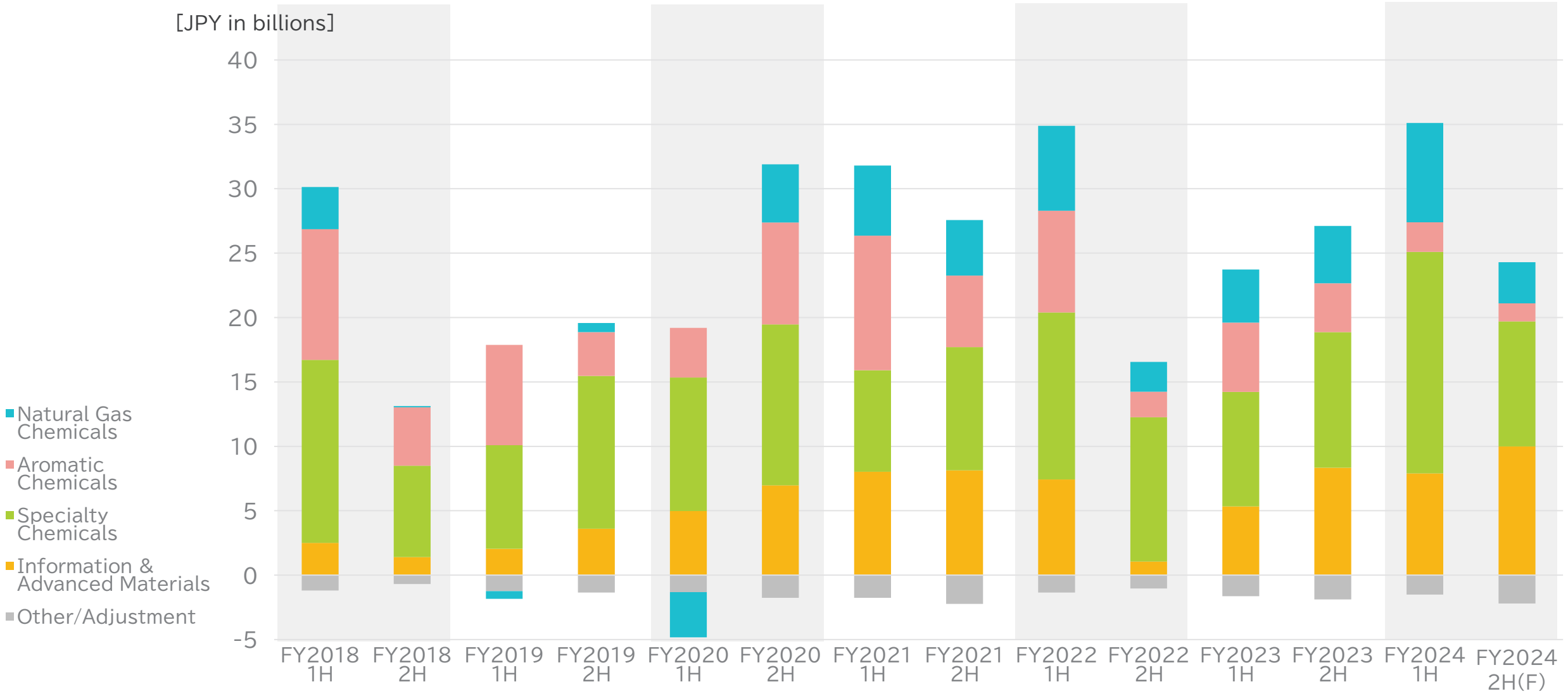
Reference: Operating Profit by Major Product Groups



(Note) These are reference values calculated according to past segments.

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Appendix: Key Indicators (1)

[JPY in billions]	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024 (F)
Capital expenditure	30.5	35.0	30.9	39.2	42.3	40.2	54.7	64.6	81.7	94.0
[1H]	[14.9]	[13.7]	[13.9]	[18.6]	[22.4]	[15.8]	[22.0]	[31.2]	[38.0]	[39.7]
Depreciation& amortization	26.7	25.6	27.0	27.4	29.5	30.6	31.9	33.5	36.3	34.0
[1H]	[13.1]	[12.2]	[13.1]	[13.5]	[14.4]	[15.1]	[15.8]	[16.1]	[18.3]	[16.8]
R&D expenditure	18.9	19.2	18.9	18.6	19.6	19.9	21.0	23.5	25.6	26.5
[1H]	[9.2]	[9.6]	[9.5]	[9.1]	[9.4]	[9.8]	[10.1]	[11.1]	[12.6]	[12.7]
Employees (as of Mar. 31)	8,176	8,034	8,009	8,276	8,954	8,998	9,888	10,050	7,918	8,237
EBITDA*1	74.6	89.4	108.8	97.6	61.6	81.7	107.0	105.0	84.9	96.7
Operating Profit of U&P Businesses	17.1	21.3	31.4	25.0	29.7	37.4	42.3	41.8	40.6	56.4
ROA (%)	5.9	8.4	10.6	8.7	3.9	6.2	8.4	7.1	4.4	5.8
ROE (%)	9.0	12.0	13.6	11.3	4.3	7.1	8.8	8.3	6.1	7.3
ROIC (%)*2	7.0	9.6	12.1	9.5	3.6	6.2	7.4	6.4	3.3	6.8
Operating profit margin (%)	5.7	7.9	9.9	6.4	5.6	7.5	7.8	6.3	5.8	7.3
EPS (Yen)	153.85	221.83	281.39	257.46	100.50	173.41	232.15	239.08	190.97	243.10
DPS (Yen)	32.00	38.00	59.00	70.00	70.00	70.00	80.00*3	80.00	80.00	95.00
[Interim dividend]	[16.00]	[16.00]	[24.00]	[35.00]	[35.00]	[35.00]	[45.00*3]	[40.00]	[40.00]	[45.00]
Total payout ratio (%)	42.5	30.1	32.5	27.2	111.4	40.4	34.5	47.9	67.5	70.3

*1 EBITDA = Ordinary profit + depreciation expense + interest paid *2 ROIC =(Operating profit - Income taxes + Equity in earnings of affiliates) / invested capital
*3 Commemorative dividend 10yen

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Reference: Key Indicators (2) Capex, Depreciation and Amortization by Segment

		2015	2016	2017	2018	2019		2020	2021	2022	2023
Capex*	Natural Gas	5.3	9.0	6.0	5.7	7.2	GEC	19.7	19.2	32.0	37.0
	Aromatic	10.6	10.5	11.3	14.6	15.0					
	Specialty	9.9	8.1	11.0	14.4	14.6	Specialty Chemicals	18.6	32.6	28.6	41.9
	Information & Advanced Materials	3.8	6.6	1.9	2.3	2.6					
	Other	0.7	0.5	0.6	2.1	2.7	Other	1.8	2.9	3.9	2.7
	Total	**30.5**	**35.0**	**30.9**	**39.2**	**42.3**	**Total**	**40.2**	**54.7**	**64.6**	**81.7**
Depreciation	Natural Gas	6.1	5.0	5.1	5.5	6.3	GEC	16.4	17.1	17.9	17.3
	Aromatic	8.2	8.5	8.5	8.7	9.5					
	Specialty	8.8	8.6	9.1	8.7	8.7	Specialty Chemicals	13.0	13.0	13.7	16.8
	Information & Advanced Materials	3.0	3.0	3.5	3.6	3.8					
	Other	0.3	0.3	0.5	0.8	1.0	Other	1.1	1.7	1.8	2.0
	Total	**26.7**	**25.6**	**27.0**	**27.4**	**29.5**	**Total**	**30.6**	**31.9**	**33.5**	**36.3**

*Fixed assets recorded basis

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Appendix: Key Indicators (2)

	FY2020		FY2021		FY2022		FY2023		FY2024 (F)	
	1H	2H	1H	2H	1H	2H	1H	2H	1H	2H (F)
FX(JPY/USD)	107	105	110	115	134	137	141	148	153	145
FX(JPY/EUR)	121	126	131	130	139	143	153	160	166	155
Crude oil (Dubai) (USD/bbl.)	37	52	69	87	102	83	82	82	82	80
Methanol (USD/MT)	194	319	370	428	375	351	297	324	333	345
Mixed xylene (USD/MT)	420	560	780	875	1,105	925	960	910	885	840
Bisphenol A (USD/MT)*	900 ~1,450	1,400 ~3,300	2,750 ~3,700	2,100 ~3,150	1,450 ~2,200	1,250 ~1,700	1,150 ~1,400	1,250 ~1,350	1,250 ~1,350	1,250 ~1,350
Polycarbonate (USD/MT)*	1,500 ~2,150	2,100 ~4,000	3,100 ~4,050	2,650 ~3,650	1,950 ~2,900	1,800 ~2,200	1,650 ~1,900	1,700 ~1,900	1,750 ~1,900	1,750 ~1,900

*Describe the minimum and maximum values during the period

Sensitivity (rough estimates)

FX (USD): with an appreciation (depreciation) of ¥1 against the USD, annual operating profit falls (increases) by ¥0.6 bn, while annual ordinary profit falls (increases) by ¥0.6 bn.
FX (EUR): with an appreciation (depreciation) of ¥1 against the EUR, annual operating profit falls (increases) by ¥0.1 bn, while annual ordinary profit falls (increases) by ¥0.1 bn.
Crude oil (Dubai): A $1/bbl. increase (drop) in crude oil reduces (raises) profit by ¥0.25 bn (excluding methanol affect).
Methanol: $1/MT increase (drop) in market price raises (reduces) equity in earnings of affiliates by ¥0.1 bn.

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Reference: Main products of Each Reportable Segment

Reportable Segments	Major Product Groups	Main Products
Green Energy & Chemicals (former Basic Chemicals)	Natural Gas Chemicals	・Methanol ・Methanol and ammonia-based chemicals (ammonia and amines, MMA products, formalin and polyol products, etc.) ・Energy resources and environmental businesses
	Aromatic Chemicals	・MXDA, aromatic aldehydes, polymer materials(MX nylon, etc.) ・Xylene separators and derivatives (Meta-xylene, purified isophthalic acid (PIA), etc.)
Specialty Chemicals	Specialty Chemicals	・Inorganic chemicals (electronic chemicals (super-pure hydrogen peroxide, hybrid chemicals), hydrogen peroxide, etc.) ・Engineering plastics (polycarbonate/sheet film, polyacetal, etc.) ・Optical materials (optical polymer, ultra-high refractive lens monomer, etc.)
	Information and Advanced Materials	・Electronics materials (BT materials for IC plastic packaging, etc.) ・Oxygen absorbers (AGELESS™, etc.)

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