



FY2024 1Q  
**Consolidated  
Financial Results**

 **mitsubishi GAS CHEMICAL COMPANY, INC.**

August 7, 2024

TSE 4182



1 | FY2024 1Q Results

2 | Results by Segment

3 | FY2024 Forecast

1 | FY2024 1Q Results

2 | Results by Segment

3 | FY2024 Forecast

# FY2024 1Q Results



- Net sales: Increased, despite the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate and other negative factors, due mainly to the depreciation of the yen and higher sales volumes of optical polymers for smartphone use, electronic materials and other offerings.
- Operating profit: Increased, higher sales volumes of semiconductor-related products, including electronic materials and inorganic chemicals, as well as optical polymers for smartphone use, in addition to reflecting the impact of yen depreciation.
- 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 and the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate, etc.
- 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)

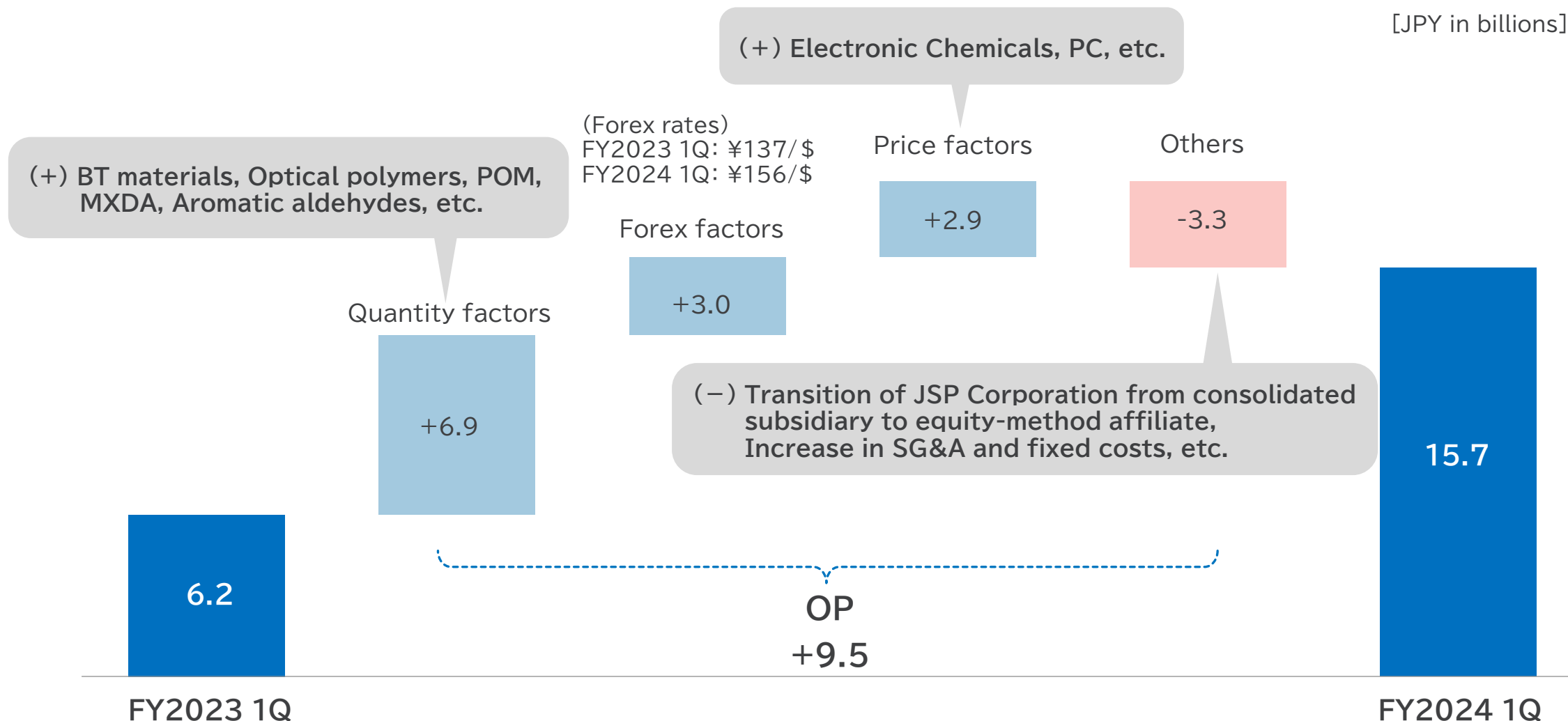
[JPY in billions]	FY2023 1Q	FY2024 1Q	Changes	
			Amount	%
Net Sales	187.0	<b>188.1</b>	+1.1	+0.6
Operating profit	6.2	<b>15.7</b>	+9.5	+153.3
Equity in earnings of affiliates	(0.6)	<b>1.2</b>	+1.8	-
Ordinary profit	7.0	<b>17.9</b>	+10.9	+155.6
Profit attributable to owners of parent	19.8	<b>11.7</b>	-8.1	-40.9
E P S (JPY)	97.00	<b>58.60</b>		
FX (JPY/USD)	137	<b>156</b>		

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

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



[JPY in billions]



1 | FY2024 1Q Results

2 | Results by Segment

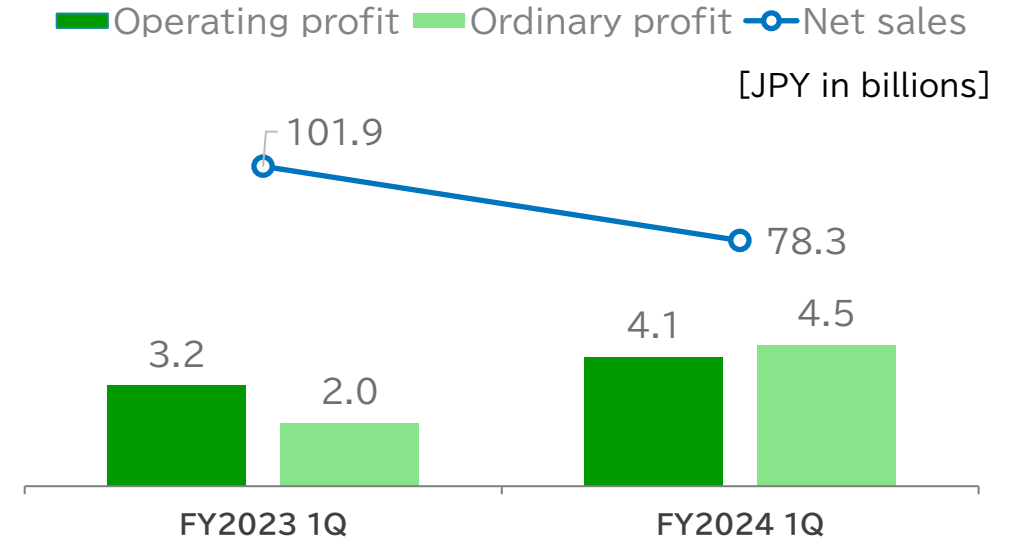
3 | FY2024 Forecast

## FY2024 1Q Results

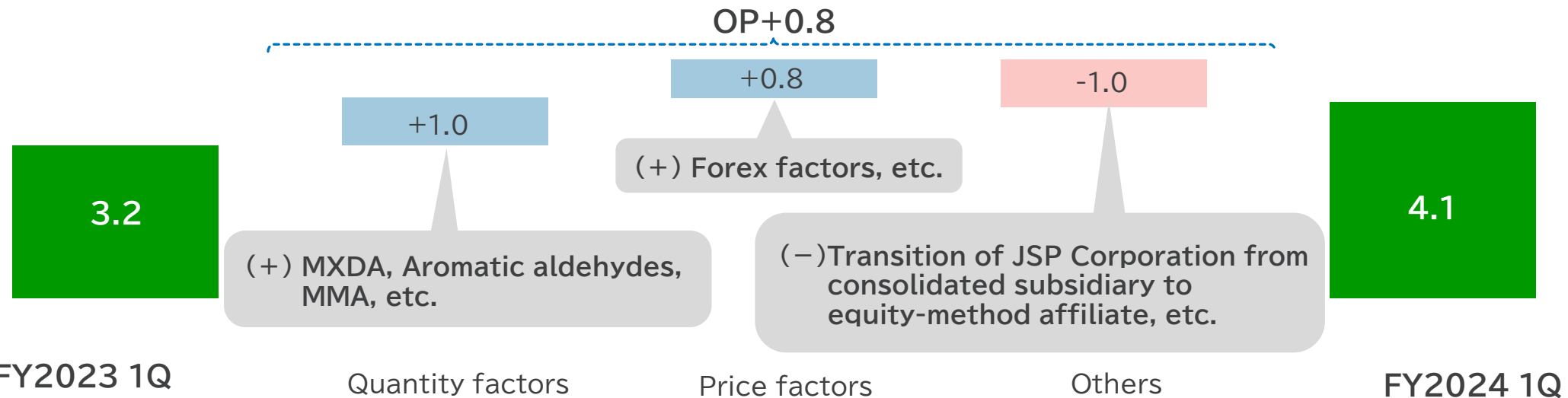
**Net sales:** Decreased due to the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate.

**Operating profit:** Increased due to higher sales volumes of MXDA and MMA products, in addition to the impact of yen depreciation, etc.

**Ordinary profit:** Increased due to improvement in equity in earnings of affiliates and the December 2023 transition of JSP Corporation from consolidated subsidiary to equity-method affiliate, etc.



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



# Green Energy & Chemicals (former Basic Chemicals)



[JPY in billions]	FY2023 1Q Results	FY2024 1Q Results	Changes
<b>Net sales</b>	101.9	<b>78.3</b>	-23.5
Natural Gas	49.2	<b>56.5</b>	+7.3
Aromatic	53.5	<b>22.0</b>	-31.4*
Other/Adjustment	(0.8)	<b>(0.2)</b>	+0.5
<b>Operating profit</b>	3.2	<b>4.1</b>	+0.8
Natural Gas	1.8	<b>2.7</b>	+0.8
Aromatic	1.3	<b>1.3</b>	-0.0
Other/Adjustment	(0.0)	<b>0.0</b>	+0.0
<b>Ordinary profit</b>	2.0	<b>4.5</b>	+2.4
Natural Gas	0.5	<b>2.6</b>	+2.1
Aromatic	1.5	<b>1.7</b>	+0.2
Other/Adjustment	(0.0)	<b>0.0</b>	+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 1Q Results (Compared with FY2023 1Q Results)	
Natural Gas Chemicals	Methanol		Both net sales and earnings increased due primarily to higher market prices and the depreciation of the yen compared with the same period of the previous fiscal year. (FY2023 \$308→FY2024 \$337)
	Methanol and ammonia-based chemicals		Both net sales and earnings increased 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		Net sales increased due to the higher sales volume of LNG for power generation use and other factors.
Aromatic Chemicals	MXDA, aromatic aldehydes, polymer materials		Both net sales and earnings due primarily to the recovery in demand for products targeting European and U.S. customers and the depreciation of the yen.
	Xylene separators and derivatives		Both net sales and earnings increased, despite stagnant market prices for purified isophthalic acid (PIA), thanks to the depreciation of the yen and other positive factors.



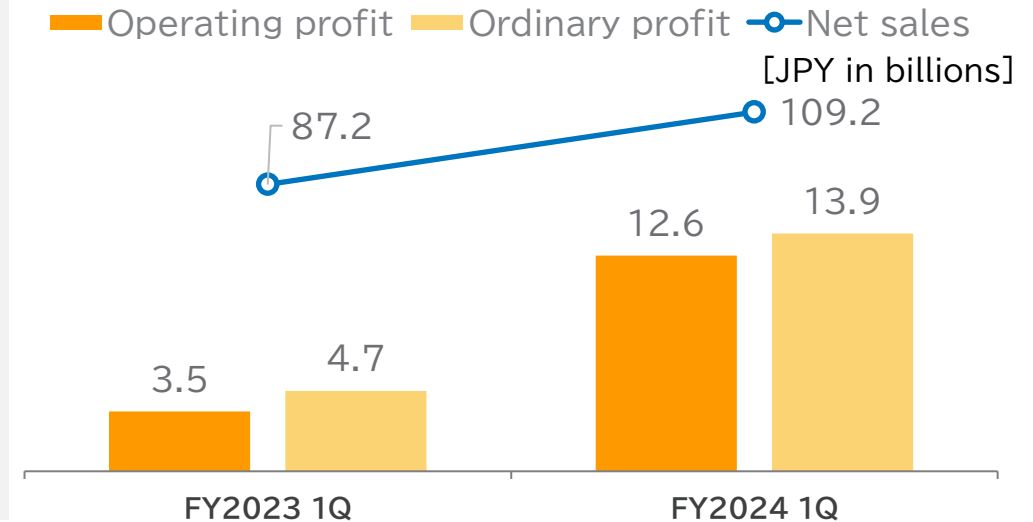
# Specialty Chemicals



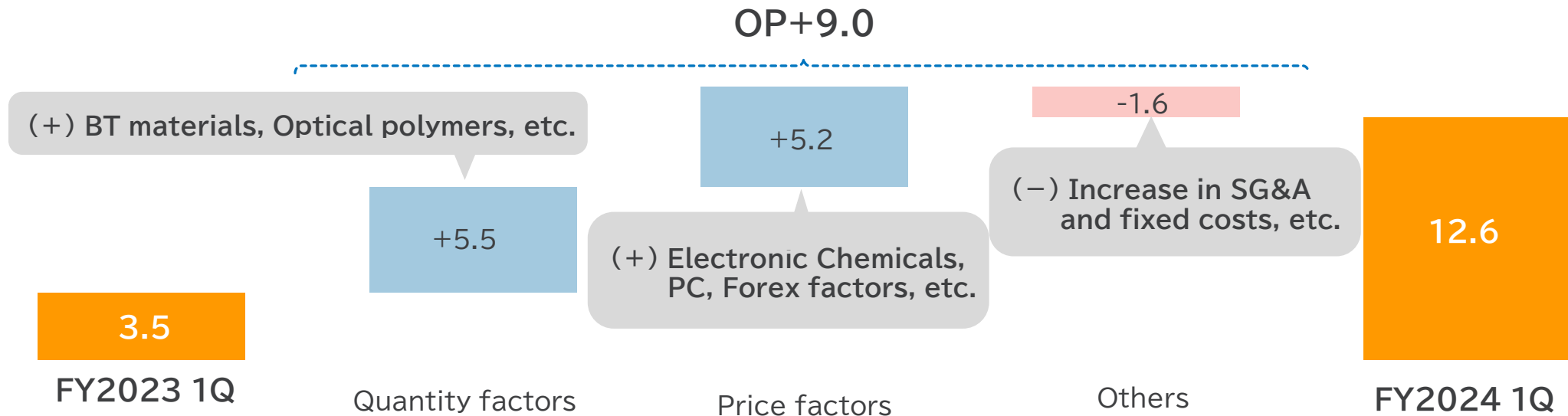
## FY2024 1Q Results

**Net sales, Operating profit** : Increased, reflecting such factors as higher sales volumes of semiconductor-related products, including electronic materials and inorganic chemicals, as well as optical polymers for smartphone use, in addition to the impact of yen depreciation.

※ **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)



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



# Specialty Chemicals



[JPY in billions]	FY2022 1Q Results	FY2023 1Q Results	Changes
<b>Net sales</b>	87.2	<b>109.2</b>	+22.0
Specialty	73.5	<b>91.0</b>	+17.4
Information & Advanced Materials	13.6	<b>18.2</b>	+4.5
Other/Adjustment	(0.0)	<b>(0.0)</b>	+0.0
<b>Operating profit</b>	3.5	<b>12.6</b>	+9.0
Specialty	1.6	<b>8.4</b>	+6.7
Information & Advanced Materials	1.8	<b>4.1</b>	+2.2
Other/Adjustment	0.0	<b>0.0</b>	+0.0
<b>Ordinary profit</b>	4.7	<b>13.9</b>	+9.2
Specialty	2.4	<b>9.0</b>	+6.5
Information & Advanced Materials	2.2	<b>4.9</b>	+2.6
Other/Adjustment	0.0	<b>0.0</b>	+0.0

		FY2024 1Q Results (Compared with FY2023 1Q Results)	
Specialty Chemicals	Inorganic chemicals		Both net sales and earnings increased, 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		Both net sales and earnings increased due mainly to higher sales volumes and improvement in manufacturing costs.
	Optical materials		Both net sales and earnings increased on the back of the higher sales volume of optical polymers 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	Electronic materials		Both net sales and earnings increased, due mainly to ongoing recovery in demand for smartphone-related, PC-related and other BT materials for IC plastic packaging, the core product category for electronic materials.
	Oxygen absorbers		Both net sales and earnings due to improvement in export prices on the back of the depreciation of the yen, along with higher sales of products for overseas customers.

1 | FY2024 1Q Results

2 | Results by Segment

3 | FY2024 Forecast

# FY2024 Forecast



[JPY in billions]	FY2024 1H			FY2024 2H			FY2024		
	Previous forecast	Revised Forecast	Changes	Previous forecast	Revised Forecast	Changes	Previous forecast	Revised Forecast	Changes
Net sales	370.0	390.0	+20.0	410.0	400.0	-10.0	780.0	790.0	+10.0
Operating profit	26.0	28.0	+2.0	26.0	26.0	-	52.0	54.0	+2.0
Equity in earnings of affiliates	5.1	5.7	+0.6	5.9	5.5	-0.4	11.0	11.3	+0.2
Ordinary profit	30.0	33.0	+3.0	29.0	29.0	-	59.0	62.0	+3.0
Profit attributable to owners of parent	21.0	23.0	+2.0	25.0	25.0	-	46.0	48.0	+2.0

## [FY2024 1H]

**Compared to the previous forecast, net sales +20.0 billion yen, operating profit +2.0 billion yen, ordinary profit +3.0 billion yen**

·Despite the depreciation of the yen is likely to inflate costs recorded by the domestic engineering plastics business, while recovery in demand for BT materials for IC plastic packaging remains somewhat slower than expected, results are expected to be higher than the previous forecast, mainly due to favorable sales for optical polymers and Electronic chemicals (chemicals for semiconductors manufacturing) for highly functional memory, and the depreciation of the yen.

·In addition to the above, the timing of the sale of LNG for power generation has been brought forward from the second half to the first half of the year, which also contributed to the increase in sales.

※See page 13 for 2Q forecast.

## [FY2024 2H]

Net sales -10.0 billion yen(timing factors for the sale of LNG for power generation)

**Operating profit and ordinary profit unchanged from the previous forecast** (revisions have been made for individual segments)

※ See page 14 for key points of the 2H forecast.

# FY2024 2Q Forecast



[JPY in billions]	FY2024 1Q Results	FY2024 2Q Forecast	Changes	
			Amount	%
Net sales	188.1	201.8	+13.7	+7.3
Operating profit	15.7	12.2	-3.4	-22.0
Equity in earnings of affiliates	1.2	4.5	+3.3	+275.2
Ordinary profit	17.9	15.0	-2.9	-16.2
Profit attributable to owners of parent	11.7	11.2	-0.4	-4.0

## [Green Energy & Chemicals (GEC)]

- Methanol: Market price forecast is set at \$345/MT (1Q \$337/MT).
- Methanol and ammonia-based chemicals: Demand is expected to remain level with 1Q. However, profit is expected to decrease compared with 1Q due to increases in fixed costs, etc. (regular maintenance)
- MXDA and aromatic aldehydes: Sales volume is forecast to increase atop a gradual recovery in demand in China and Europe.

## [Specialty Chemicals]

- Inorganic chemicals: Profit is expected to decrease compared to 1Q due to increased fixed costs, etc. (regular maintenance), despite continued gradual recovery in demand for Electronic chemicals (chemical for semiconductors manufacturing).
- Engineering plastics (PC and POM): Profit is expected to decrease compared to 1Q, mainly due to soft market prices and increases in transport costs, despite a gradual recovery in demand.
- Optical polymer: Although demand is expected to remain brisk, sales are expected to settle down slightly compared to 1Q.
- BT materials: Sales are expected to exceed 1Q atop a continued recovery in demand.

# Key Points of the Forecast for FY2024 2H

## [Green Energy & Chemicals (GEC)]

- Methanol: Market price forecast is set at \$345/MT (1Q \$341/MT).
- Methanol and ammonia-based chemicals: Profit is expected to decrease compared with 1H due after factoring in increased fixed costs, etc. (regular maintenance), despite forecast recovery in demand.
- MXDA and aromatic aldehydes: Demand in Europe and the U.S. is expected to continue the recovery trend from 1H.
- The energy resources and environmental businesses: Sales volumes of iodine are expected to continue the firm trend from 1H.
- As in previous years, regular maintenance for Mizushima Plant is planned for 4Q.

## [Specialty Chemicals]

- Inorganic chemicals: Electronic chemicals (chemicals for semiconductors manufacturing) are expected to see a continued recovery in overall demand.
- Engineering plastics (PC and POM): There are concerns over softening of market prices, persistently high transport costs, etc.
- Optical polymer: Brisk sales are expected to continue against a backdrop of increasingly high functionality in smartphone cameras and activity in creating new smartphone models.
- BT materials: Sales volumes are expected to further increase with an anticipated increase in overall demand, from high functionality materials for smartphones to general-use materials.

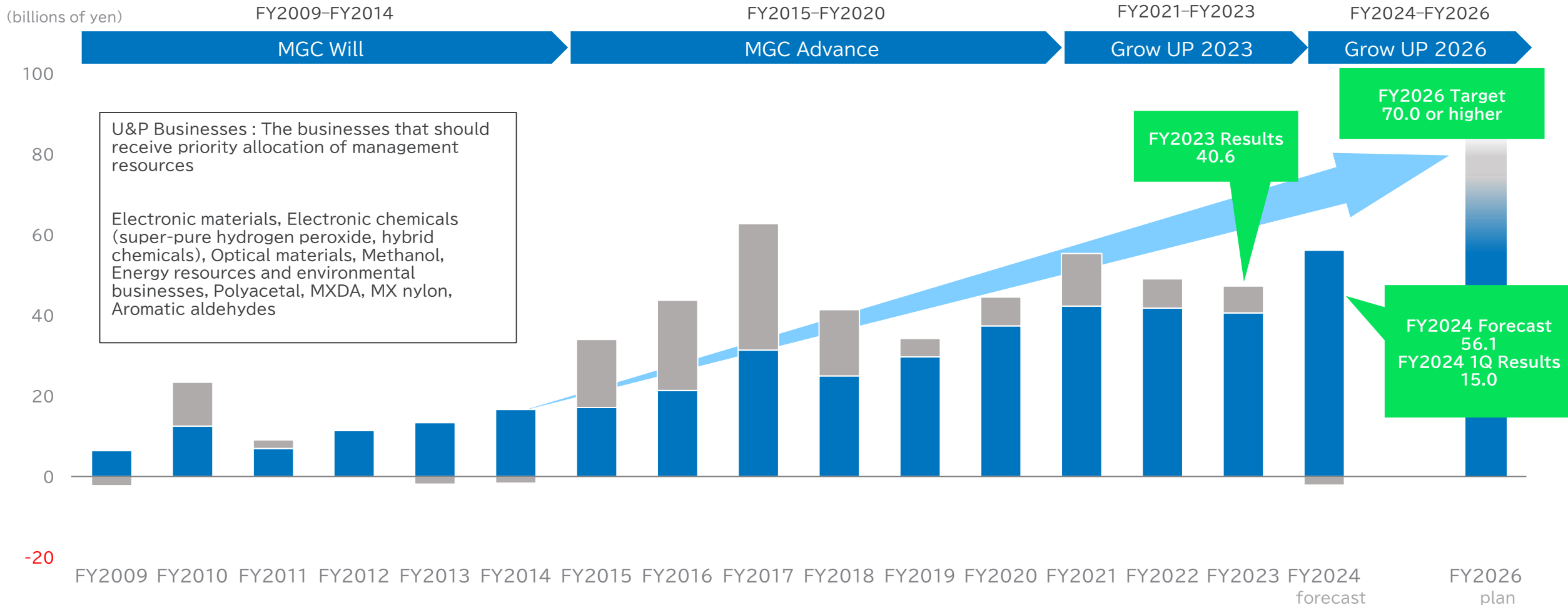
■FX assumptions: \$1=¥150 (¥5 depreciation from the previous forecast), €1=¥160 (¥5 depreciation from the previous forecast)  
FX (USD): with an appreciation (depreciation) of ¥1 against the USD, annual operating profit falls (increases) by ¥0.6 bn, while annual ordinary profit falls (increases) by ¥0.6 bn.

■Crude oil price assumption: \$80/bbl. (same as the previous forecast)  
Crude oil (Dubai): A \$1/bbl. increase (drop) in crude oil reduces (raises) profit by ¥0.25 bn (excluding methanol affect).

# 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) )



-20

# Appendix



# 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
<b>Net sales</b>	399.6	413.7	813.4	370.0	410.0	780.0	<b>390.0</b>	<b>400.0</b>	<b>790.0</b>
GEC	209.4	203.4	412.8	155.2	170.9	326.1	<b>167.9</b>	<b>161.7</b>	<b>329.7</b>
Specialty Chemicals	194.1	215.0	409.2	206.1	230.0	436.1	<b>216.3</b>	<b>230.5</b>	<b>446.9</b>
Other/Adjustment	(3.9)	(4.7)	(8.6)	8.6	9.0	17.7	<b>5.6</b>	<b>7.7</b>	<b>13.3</b>
<b>Operating profit</b>	22.1	25.2	47.3	26.0	26.0	52.0	<b>28.0</b>	<b>26.0</b>	<b>54.0</b>
GEC	9.4	8.2	17.7	5.9	5.7	11.7	<b>7.5</b>	<b>4.9</b>	<b>12.4</b>
Specialty Chemicals	14.2	18.8	33.0	22.0	22.2	44.2	<b>22.2</b>	<b>23.0</b>	<b>45.3</b>
Other/Adjustment	(1.6)	(1.9)	(3.5)	(1.9)	(2.0)	(4.0)	<b>(1.7)</b>	<b>(2.0)</b>	<b>(3.7)</b>
<b>Ordinary profit</b>	24.9	21.0	46.0	30.0	29.0	59.0	<b>33.0</b>	<b>29.0</b>	<b>62.0</b>
GEC	7.4	2.6	10.1	10.4	9.4	19.9	<b>11.4</b>	<b>8.7</b>	<b>20.1</b>
Specialty Chemicals	17.8	20.7	38.6	21.6	21.6	43.3	<b>23.3</b>	<b>22.3</b>	<b>45.6</b>
Other/Adjustment	(0.4)	(2.3)	(2.7)	(2.1)	(2.1)	(4.3)	<b>(1.8)</b>	<b>(2.0)</b>	<b>(3.8)</b>

\* Announced on May 10, 2024

# Quarterly Results by Segment



[JPY in billions]	FY2023 Results				FY2024 Results/Forecast	
	1Q	2Q	3Q	4Q	1Q	2Q
<b>Net sales</b>	187.0	212.6	222.0	191.6	<b>188.1</b>	<b>201.8</b>
GEC	101.9	107.4	115.5	87.8	<b>78.3</b>	<b>89.5</b>
Specialty Chemicals	87.2	106.9	108.7	106.2	<b>109.2</b>	<b>107.0</b>
Other/Adjustment	(2.1)	(1.7)	(2.2)	(2.4)	<b>0.4</b>	<b>5.2</b>
<b>Operating profit</b>	6.2	15.8	16.5	8.6	<b>15.7</b>	<b>12.2</b>
GEC	3.2	6.2	6.9	1.2	<b>4.1</b>	<b>3.4</b>
Specialty Chemicals	3.5	10.6	10.7	8.1	<b>12.6</b>	<b>9.6</b>
Other/Adjustment	(0.5)	(1.0)	(1.1)	(0.7)	<b>(0.9)</b>	<b>(0.7)</b>
<b>Ordinary profit</b>	7.0	17.9	18.4	2.6	<b>17.9</b>	<b>15.0</b>
GEC	2.0	5.4	9.0	(6.3)	<b>4.5</b>	<b>6.9</b>
Specialty Chemicals	4.7	13.1	11.4	9.3	<b>13.9</b>	<b>9.3</b>
Other/Adjustment	0.2	(0.6)	(2.0)	(0.3)	<b>(0.5)</b>	<b>(1.3)</b>

# 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
<b>Net sales</b>	399.6	413.7	813.4	370.0	410.0	780.0	<b>390.0</b>	<b>400.0</b>	<b>790.0</b>
Natural Gas	97.5	118.0	215.5	112.5	122.2	234.7	<b>123.8</b>	<b>114.5</b>	<b>238.3</b>
Aromatic	113.3	87.2	200.6	43.1	49.1	92.2	<b>44.5</b>	<b>47.6</b>	<b>92.2</b>
Specialty	164.8	180.3	345.2	169.5	188.8	358.3	<b>179.9</b>	<b>189.4</b>	<b>369.4</b>
Information & Advanced Materials	29.3	34.7	64.0	37.7	42.3	80.1	<b>37.4</b>	<b>42.2</b>	<b>79.7</b>
Other/Adjustment	(5.5)	(6.5)	(12.0)	7.0	7.4	14.4	<b>4.1</b>	<b>6.0</b>	<b>10.2</b>
<b>Operating profit</b>	22.1	25.2	47.3	26.0	26.0	52.0	<b>28.0</b>	<b>26.0</b>	<b>54.0</b>
Natural Gas	4.1	4.4	8.5	3.5	3.1	6.6	<b>4.6</b>	<b>2.8</b>	<b>7.5</b>
Aromatic	5.3	3.7	9.1	2.4	2.5	5.0	<b>2.8</b>	<b>2.0</b>	<b>4.9</b>
Specialty	8.8	10.5	19.4	11.9	11.9	23.8	<b>13.1</b>	<b>11.6</b>	<b>24.8</b>
Information & Advanced Materials	5.3	8.3	13.6	10.0	10.3	20.4	<b>9.0</b>	<b>11.3</b>	<b>20.4</b>
Other/Adjustment	(1.6)	(1.8)	(3.5)	(1.9)	(2.0)	(4.0)	<b>(1.7)</b>	<b>(1.9)</b>	<b>(3.7)</b>
<b>Ordinary profit</b>	24.9	21.0	46.0	30.0	29.0	59.0	<b>33.0</b>	<b>29.0</b>	<b>62.0</b>
Natural Gas	1.8	(1.8)	0.0	6.6	6.5	13.1	<b>7.2</b>	<b>6.2</b>	<b>13.4</b>
Aromatic	5.6	4.4	10.1	3.8	2.9	6.7	<b>4.2</b>	<b>2.4</b>	<b>6.7</b>
Specialty	11.6	11.8	23.4	11.2	10.8	22.1	<b>13.1</b>	<b>10.5</b>	<b>23.6</b>
Information & Advanced Materials	6.1	8.9	15.1	10.4	10.8	21.2	<b>10.1</b>	<b>11.7</b>	<b>21.9</b>
Other/Adjustment	(0.4)	(2.3)	(2.8)	(2.1)	(2.1)	(4.3)	<b>(1.8)</b>	<b>(2.0)</b>	<b>(3.8)</b>

\* Segments by major product group (These are reference values calculated according to past segments.)

\*\* Announced on May 10, 2024

# Reference: Quarterly Results by Major Product Groups\*



[JPY in billions]	FY2023 Results				FY2024 Results/Forecast	
	1Q	2Q	3Q	4Q	1Q	2Q
<b>Net sales</b>	187.0	212.6	222.0	191.6	188.1	201.8
Natural Gas	49.2	48.3	54.5	63.4	56.5	67.2
Aromatic	53.5	59.8	61.9	25.3	22.0	22.4
Specialty	73.5	91.3	91.2	89.0	91.0	88.9
Information & Advanced Materials	13.6	15.6	17.5	17.1	18.2	19.2
Other/Adjustment	(2.9)	(2.5)	(3.1)	(3.4)	0.1	3.9
<b>Operating profit</b>	6.2	15.8	16.5	8.6	15.7	12.2
Natural Gas	1.8	2.2	1.6	2.8	2.7	1.8
Aromatic	1.3	3.9	5.3	(1.5)	1.3	1.5
Specialty	1.6	7.2	6.3	4.1	8.4	4.7
Information & Advanced Materials	1.8	3.4	4.3	3.9	4.1	4.9
Other/Adjustment	(0.6)	(1.0)	(1.1)	(0.7)	(0.9)	(0.8)
<b>Ordinary profit</b>	7.0	17.9	18.4	2.6	17.9	15.0
Natural Gas	0.5	1.2	3.3	(5.1)	2.6	4.5
Aromatic	1.5	4.1	5.7	(1.2)	1.7	2.4
Specialty	2.4	9.2	6.5	5.2	9.0	4.1
Information & Advanced Materials	2.2	3.9	4.8	4.1	4.9	5.2
Other/Adjustment	0.2	(0.6)	(2.0)	(0.3)	(0.4)	(1.3)

\*Segments by major product group (These are reference values calculated according to past segments.)

# FY2024 1Q Balance Sheets



[JPY in billions]	Mar. 31, 2024	Jun. 30, 2024	Changes	[JPY in billions]	Mar. 31, 2024	Jun. 30, 2024	Changes
<b>Current assets</b>	463.1	<b>465.0</b>	+1.8	<b>Liabilities</b>	383.1	<b>390.0</b>	+6.8
Cash and deposits	71.4	<b>65.9</b>	-5.4	Trade note and accounts payable	109.0	<b>110.4</b>	+1.4
Trade notes and Accounts receivable	165.6	<b>169.3</b>	+3.7	Interest-bearing debt	173.0	<b>181.2</b>	+8.2
Inventories	200.5	<b>205.8</b>	+5.3	Others	101.1	<b>98.3</b>	-2.8
Others	25.5	<b>23.8</b>	-1.6				
<b>Non-current assets</b>	604.8	<b>628.3</b>	+23.4	<b>Net assets</b>	684.8	<b>703.3</b>	+18.4
Tangible assets	314.6	<b>330.6</b>	+15.9	Shareholders' equity	587.6	<b>590.8</b>	+3.2
Intangible assets	24.8	<b>25.2</b>	+0.3	Accumulated other comprehensive income	70.1	<b>82.9</b>	+12.8
Investments and other assets	265.3	<b>272.4</b>	+7.0	Non controlling interest	27.0	<b>29.4</b>	+2.4
<b>Total assets</b>	1,068.0	<b>1,093.3</b>	+25.3	<b>Total liabilities and net assets</b>	1,068.0	<b>1,093.3</b>	+25.3

# Appendix: Key Indicators (1)

[JPY in billions]	FY2020	FY2021	FY2022	FY2023	FY2024 (F)
Capital expenditure [1Q]	40.2 [8.7]	54.7 [11.5]	64.6 [15.3]	81.7 [18.3]	<b>94.0</b> <b>[17.7]</b>
Depreciation & amortization [1Q]	30.6 [7.5]	31.9 [7.8]	33.5 [7.9]	36.3 [9.1]	<b>35.0</b> <b>[8.2]</b>
R&D expenditure [1Q]	19.9 [4.7]	21.0 [4.9]	23.5 [5.5]	25.6 [6.2]	<b>28.5</b> <b>[6.2]</b>
Employees (as of Mar. 31)	8,998	9,888	10,050	7,918	<b>8,241</b>
EBITDA*1	81.7	107.0	105.0	84.9	<b>96.7</b>
Operating Profit of U&P Businesses	37.4	42.3	41.8	40.6	<b>56.1</b>
ROA (%)	6.2	8.4	7.1	4.4	<b>5.7</b>
ROE (%)	7.1	8.8	8.3	6.1	<b>7.2</b>
ROIC (%)*2	6.2	7.4	6.4	3.3	<b>6.6</b>
Operating profit margin (%)	7.5	7.8	6.3	5.8	<b>6.8</b>
EPS (Yen)	173.41	232.15	239.08	190.97	<b>239.69</b>
DPS (Yen)	70.00 [35.00]	80.00*3 [45.00*3]	80.00 [40.00]	80.00 [40.00]	<b>90.00</b> <b>[45.00]</b>
Total payout ratio (%)	40.4	34.5	47.9	67.7	<b>37.5</b>

\*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

## Appendix: Key Indicators (2)

	FY2020		FY2021		FY2022		FY2023		FY2024 (F)	
	1H	2H	1H	2H	1H	2H	1H	2H	1H (F)	2H (F)
FX(JPY/USD)	107	105	110	115	134	137	141	148	153	150
FX(JPY/EUR)	121	126	131	130	139	143	153	160	164	160
Crude oil (Dubai) (USD/bbl.)	37	52	69	87	102	83	82	82	83	80
Methanol (USD/MT)	194	319	370	428	375	351	297	324	341	345
Mixed xylene (USD/MT)	420	560	780	875	1,105	925	960	910	930	880
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	1,800 ~1,900	1,800 ~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.

# Reference: Main products of Each Reportable Segment



Reportable Segments	Major Product Groups	Main Products
<b>Green Energy &amp; Chemicals</b> (former Basic Chemicals)	Natural Gas Chemicals	<ul style="list-style-type: none"> <li>•Methanol</li> <li>•Methanol and ammonia-based chemicals (ammonia and amines, MMA products, formalin and polyol products, etc.)</li> <li>•Energy resources and environmental businesses</li> </ul>
	Aromatic Chemicals	<ul style="list-style-type: none"> <li>•MXDA, aromatic aldehydes, polymer materials(MX nylon, etc.)</li> <li>•Xylene separators and derivatives (Meta-xylene, purified isophthalic acid (PIA), etc.)</li> </ul>
<b>Specialty Chemicals</b>	Specialty Chemicals	<ul style="list-style-type: none"> <li>•Inorganic chemicals (electronic chemicals (super-pure hydrogen peroxide, hybrid chemicals), hydrogen peroxide, etc.)</li> <li>•Engineering plastics (polycarbonate/sheet film, polyacetal, etc.)</li> <li>•Optical materials (optical polymers, ultra-high refractive lens monomer, etc.)</li> </ul>
	Information and Advanced Materials	<ul style="list-style-type: none"> <li>•Electronic materials (BT materials for IC plastic packaging, etc.)</li> <li>•Oxygen absorbers (AGELESS™, etc.)</li> </ul>



## Disclaimer

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