

**Second Quarter, 2024 Consolidated Financial Results (Summary)**

**1. First Half 2024 Results**

**(1) Summary**

(Unit: billions of yen)

Items	2023 Jan.1 - Jun.30	2024 Jan.1 - Jun.30	Increase/ decrease
Net Sales	616.1	668.5	52.4
Operating Income	(13.2)	28.0	41.1
Net Income Attributable to Owners of the Parent	(19.8)	38.4	58.3
Net Income Attributable to Owners of the Parent per Share	(¥109.41)	¥212.60	¥322.01
Net Assets per Share	¥3,028.75	¥3,426.20	¥397.45

**(2) Net Sales and Operating Income by Segment**

(Unit: billions of yen)

Segment	2023 Jan.1 - Jun.30	2024 Jan.1 - Jun.30	Increase/ decrease	
Semiconductor and Electronic Materials	Net Sales	153.4	209.6	56.2
	Op. Income	(13.1)	21.6	34.7
Mobility	Net Sales	103.9	108.0	4.1
	Op. Income	0.6	2.4	1.8
Innovation Enabling Materials	Net Sales	43.6	47.0	3.5
	Op. Income	2.9	5.5	2.6
Chemicals	Net Sales	254.9	245.4	(9.5)
	Op. Income	4.8	2.0	(2.7)
Others, Adjustments	Net Sales	60.3	58.5	(1.8)
	Op. Income	(8.3)	(3.6)	4.7
Total	Net Sales	616.1	668.5	52.4
	Op. Income	(13.2)	28.0	41.1

**Reference : Quarterly result**

2024 Jan.1 - Mar.31	2024 Apr.1 - Jun.30
97.5	112.1
6.3	15.3
52.6	55.5
1.7	0.7
22.3	24.7
2.4	3.1
116.8	128.6
0.7	1.4
32.2	26.2
(2.2)	(1.4)
321.4	347.2
8.9	19.0

Since the current fiscal year, the Aluminum Specialty Components business was transferred from the Innovation Enabling Materials segment to the Mobility segment, and the figures for 2023 shown in the chart have been changed retroactively.

**(3) Cash Flow**

(Unit: billions of yen)

Items	2023 Jan.1 - Jun.30	2024 Jan.1 - Jun.30	Increase/ decrease
Operating Activities	48.1	53.3	5.2
Investing Activities	(45.1)	(11.1)	34.1
Free Cash Flow	2.9	42.2	39.3
Financing Activities	(23.5)	(11.2)	12.3
Others	10.0	16.7	6.7
Net increase in Cash	(10.6)	47.7	58.3

2024 Revised forecast (Jan.1 - Dec.31)
114.0
(82.0)
32.0
15.0

**(4) Reference**

(Unit: billions of yen, except for exchange rate and domestic naphtha price)

Items	2023 Jan.1 - Jun.30	2024 Jan.1 - Jun.30	Increase/ decrease
Capital expenditures	39.1	46.0	6.8
Depreciation and amortization	45.8	47.2	1.4
R&D expenditures	20.9	21.3	0.4
Gap between interest/dividend income and interest expense	(5.6)	(5.1)	0.5
Exchange rate (yen/US\$)	134.9	152.2	Yen depreciated by 17.4
Domestic naphtha price (yen/kl)	67,000	75,750	8,750

Items	Dec.31, 2023	Jun.30, 2024	Increase/ decrease
Total assets	2,032.0	2,114.8	82.8
Interest-bearing debt	1,016.5	1,024.8	8.2

**2. Forecast for 2024****(1) Summary**

(Unit: billions of yen, except for "per share" indicators)

Items	2023 Results	2024 Revised forecast	Increase/ decrease
Net Sales	1,288.9	1,392.0	103.1
Operating Income	(3.8)	61.0	64.8
Net Income Attributable to Owners of the Parent	(19.0)	34.5	53.5
Net Income Attributable to Owners of the Parent per Share	(¥104.65)	¥190.86	¥295.51
Cash Dividends per Share	¥65.00	¥65.00	-

**(2) Net sales and Operating Income by Segment**

(Unit: billions of yen)

Segment		2023 Results	2024 Revised forecast	Increase/ decrease
Semiconductor and Electronic Materials	Net Sales	338.1	433.0	94.9
	Op. Income	(9.4)	50.0	59.4
Mobility	Net Sales	216.1	205.0	(11.1)
	Op. Income	5.4	4.0	(1.4)
Innovation Enabling Materials	Net Sales	93.0	100.0	7.0
	Op. Income	7.9	10.0	2.1
Chemicals	Net Sales	516.3	535.0	18.7
	Op. Income	7.7	11.0	3.3
Others, Adjustments	Net Sales	125.4	119.0	(6.4)
	Op. Income	(15.3)	(14.0)	1.3
Total	Net Sales	1,288.9	1,392.0	103.1
	Op. Income	(3.8)	61.0	64.8

**(3) Reference**

(Unit: billions of yen)

Items	2023 Results	2024 Revised forecast	Increase/ decrease
Capital expenditures	96.6	122.4	25.8
Depreciation and amortization	92.5	93.1	0.6
R&D expenditures	42.7	43.8	1.1
Gap between interest/dividend income and interest expense	(11.1)	(11.7)	(0.6)
Interest-bearing debt	1,016.5	1,043.1	26.6
Exchange rate (yen/US\$)	140.6	151.1	Yen depreciated by 10.5
Domestic naphtha price (yen/kl)	67,600	76,900	9,300

The above forecast is based on the information available as of today and assumptions as of today regarding risk factors that could affect our future performance. Actual results may differ materially from the forecast due to a variety of risk factors, including, but not limited to, the international situation, costs of naphtha and other raw materials, demand or market conditions for our products such as graphite electrodes and other commodities, and foreign exchange rates. We undertake no obligation to update the forward-looking statements unless required by law.

**Consolidated Financial Statements**  
for the first half year (January 1 to June 30, 2024)



**I . Consolidated Financial Results**

August 8th, 2024

(1) Results of operations : (¥ in millions, US\$ in thousands, except for net income attributable to owners of the parent per share)

	Results for the first half year (Jan.1-Jun.30)			
	2023	2024	Increase (Decrease)	2024
	¥	¥	%	\$
Net sales	616,126	<b>668,547</b>	8.5	<b>4,150,659</b>
Operating income	(13,165)	<b>27,974</b>	—	<b>173,677</b>
Ordinary income	(11,357)	<b>30,485</b>	—	<b>189,263</b>
Net income attributable to owners of the parent	(19,817)	<b>38,445</b>	—	<b>238,684</b>
Net income attributable to owners of the parent per share: Basic	(109.41)	<b>212.60</b>		<b>1.32</b>
Net income attributable to owners of the parent per share: Diluted	—	—		—

Notes

Important changes in accounting policies : not applicable

Comprehensive income :

Results for the year ended January 1 to June 30, 2024 ¥81,094 million

Results for the year ended January 1 to June 30, 2023 ¥12,145 million

(2) Financial position : (¥ in millions, US\$ in thousands, except for stockholders' equity ratio)

	Dec. 31, 2023	Jun. 30, 2024	Jun. 30, 2024
	¥	¥	\$
Total assets	2,031,953	<b>2,114,769</b>	<b>13,129,505</b>
Total equity	578,668	<b>645,439</b>	<b>4,007,197</b>
	%	%	%
Stockholders' equity ratio	27.2	<b>29.3</b>	<b>29.3</b>

(3) Dividends :

	2023	2024 Forecast
Q1 dividends per share (¥)	—	—
Q2 dividends per share (¥)	0.00	<b>0.00</b>
Q3 dividends per share (¥)	—	—
End of Term dividends per share (¥)	65.00	<b>65.00</b>
Annual dividends per share (¥)	65.00	<b>65.00</b>

## II . Forecast of performance for the year ending December 31, 2024

(¥ in millions, US\$ in thousands, except for net income attributable to owners of the parent per share)

	fiscal year	
	¥	\$
Net sales	1,392,000	8,642,205
Operating income	61,000	378,717
Ordinary income	51,000	316,633
Net income attributable to owners of the parent	34,500	214,193
Net income attributable to owners of the parent per share: Basic	190.86	1.18

\* The above forecast was announced on August 8, 2024.

The above forecast is based on the information available at this point of time. Actual results may differ materially due to a variety of reasons, including such economic factors as fluctuations in foreign currency exchange rates as well as market supply and demand conditions.

### Note

The U.S. dollar is valued at ¥161.07 throughout this statement for convenience only.

[Business Results and Financial Conditions]

1. Analysis of business results

(1) Summary

In the six-month period ended June 30, 2024 ("1H 2024"), the global economy showed a pick-up, although supply constraints such as the impact of the rise in energy and raw material costs due to the prolonged situation in Ukraine and the Middle East remained and the global monetary tightening continued. In particular, the semiconductor industry showed a recovery. Japanese economy recovered moderately as a whole, while standstills in the recovery of consumer spending were seen and corporate capital investment showed a gradual recovery.

Consolidated sales for 1H 2024 increased from the corresponding six-month period of the previous year ("1H 2023"). Sales decreased in the Chemicals segment due to a decrease in the volume of Graphite Electrodes. In the Semiconductors and Electronic Materials segment, sales increased significantly compared to 1H 2023, when adjustments were taken place in the semiconductor industry. And sales in the Mobility and Innovation Enabling Materials segments also increased due to volume increases.

Consolidated operating income for 1H 2024 1Q increased from 1H 2023. In the Chemicals segment, operating income decreased due to a decrease in volume, though in the Semiconductors and Electronic Materials segment, operating income increased significantly. In the Mobility and Innovation Enabling Materials segments, operating income increased.

Ordinary income for 1H 2024 increased from 1H 2023 mainly due to an increase in equity in earnings of affiliates.

Net income attributable to owners of the parent for 1H 2024 increased from 1H 2023 due to gains on sales of fixed assets of land and buildings of the former head office.

(Unit: millions of yen)

	1H 2023	1H 2024	Increase/decrease	Increase/ decrease rate
Sales	616,126	668,547	52,420	8.5%
Operating income	(13,165)	27,974	41,139	—
Ordinary income	(11,357)	30,485	41,841	—
Net income attributable to owners of the parent	(19,817)	38,445	58,261	—

(2) A breakdown of net sales and operating income by segment (January 1 - June 30, 2024)

[Semiconductor and Electronic Materials segment]

In the Semiconductor and Electronic Materials segment, sales of Semiconductor Materials increased due to a gradual recovery in semiconductor market conditions from the second quarter of the previous fiscal year. In Device Solutions, sales of HD media increased significantly due to a recovery in demand for data centers, and sales of SiC epitaxial wafers increased due to an increase in sales volume.

As a result, sales and operating income in this segment increased from 1H 2023.

(Unit: millions of yen)

	1H 2023	1H 2024	Increase/decrease	Increase/ decrease rate
Sales	153,393	209,602	56,209	36.6%
Operating income	(13,098)	21,600	34,699	—

[Mobility segment]

In the Mobility segment, Automotive Products faced sluggish demand due to the situation in Thailand, however, due to the recovery of automobile production and the launch of products for new models, sales remained at the same level as 1H 2023. For Lithium-ion Battery Materials, while the impact of slowing demand for consumer products continued, sales increased due to an increase in the demand for electric vehicles.

As a result, sales and operating income increased in this segment compared from 1H 2023.

(Unit: millions of yen)

	1H 2023	1H 2024	Increase/decrease	Increase/ decrease rate
Sales	103,944	108,038	4,094	3.9%
Operating income	612	2,399	1,787	291.9%

[Innovation Enabling Materials segment]

In the Innovation Enabling Materials segment, sales from 1H 2023 increased due to the pass-through of higher raw material prices to product sales prices and an increase in sales volume. Operating income increased from 1H 2023 due to the elimination of the time lag factor in price pass-through.

(Unit: millions of yen)

	1H 2023	1H 2024	Increase/decrease	Increase/ decrease rate
Sales	43,561	47,032	3,471	8.0%
Operating income	2,895	5,544	2,649	91.5%

[Chemicals segment]

In the Chemicals segment, sales and operating income of Olefins & Derivatives increased due to an increase in unit sales price in line with the rise in naphtha prices, despite a decrease in sales volume caused by the maintenance of petrochemical derivatives. Sales of Basic Chemicals remained at the same level as 1 H 2023, and operating income decreased due to higher raw material prices for some products. Sales and operating income of Graphite Electrodes decreased due to a decrease in sales volume and unit sales price.

As a result, sales and operating income decreased from 1H 2023.

(Unit: millions of yen)

	1H 2023	1H 2024	Increase/decrease	Increase/ decrease rate
Sales	254,920	245,407	(9,513)	(3.7)%
Operating income	4,768	2,041	(2,727)	(57.2)%

Note: Starting from 2022, segment-wise sales and operating incomes mentioned above are based on "sales to outside customers," not including inter-segment sales.

## 2. Financial conditions for the January 1 - June 30, 2024 period (as compared with the conditions at December 31, 2023)

### a) Situation of assets, liabilities, and net assets

Total assets at the end of 1H 2024 increased from the end of the previous fiscal year 2023 due to an increase in cash and deposits, and property, plant and equipment, despite a decrease in intangible fixed assets such as goodwill. Total liabilities increased mainly due to increases in interest-bearing debt and accounts payable. Net assets increased due to the recording of Net income attributable to owners of the parent and increases in foreign currency translation adjustments.

(Unit: millions of yen)

	Dec. 31, 2023	Jun. 30, 2024	Increase/ decrease
Total Assets	2,031,953	2,114,769	82,817
Total Liabilities	1,453,285	1,469,330	16,045
Net assets	578,668	645,439	66,772

### b) Situation of cash flows

Net cash provided by operating activities during 1H 2024 increased from 1H 2023 due to an increase in profit before income taxes, despite a decrease in income due to an increase in working capital. Net cash used in investing activities during 1H 2024 decreased from 1H 2023 mainly due to an increase in proceeds from sales of fixed assets. As a result, free cash flow increased from 1H 2023.

Net cash used in financing activities during 1H 2024 decreased from 1H 2023 mainly due to an increase in proceeds from the issuance of corporate bonds. As a result, cash and cash equivalents at the end of 1H 2024 increased from the end of 1H 2023, including the impact of currency fluctuations.

(Unit: millions of yen)

	1H 2023	1H 2024	increase/ decrease
Cash flows from operating activities	48,080	53,297	5,217
Cash flows from investing activities	(45,136)	(11,060)	34,076
Free cash flows	2,944	42,237	39,293
Cash flows from financing activities	(23,491)	(11,202)	12,289
Cash and cash equivalents at end of period	176,251	237,629	61,379

### 3. Consolidated performance forecast

Our Company announced today (August 8) that it has revised its consolidated earnings forecasts. The following table shows our group's full-year earnings forecasts after the revisions. For the assumptions of the forecast, please refer to " Resonac Announces Difference between Performance Forecast and Results and Revises Forecast of Consolidated Performance " announced on August 8, 2024.

(Unit: millions of yen)

Full year forecast	Net sales	Operating income	Ordinary income	Net income attributable to owners of the parent
Previous forecast (a) announced on Apr. 16, 2024	1,360,000	47,000	32,000	25,000
Revised forecast (b) announced on Aug. 8, 2024	1,392,000	61,000	51,000	34,500
(b)-(a)	32,000	14,000	19,000	9,500
Percentage of changes	2.4%	29.8%	59.4%	38.0%



## Consolidated Balance Sheets

(¥ in millions, US\$ in thousands)

	Dec. 31, 2023	Jun. 30, 2024	Jun. 30, 2024
	¥	¥	\$
<b>Assets</b>			
<b>Current assets</b>			
Cash and deposits	190,318	238,383	1,479,997
Notes and accounts receivable-trade	266,122	279,139	1,733,027
Merchandise and finished goods	115,123	119,658	742,892
Work in process	23,687	24,706	153,386
Raw materials and supplies	86,383	93,391	579,815
Other	72,019	74,211	460,737
Allowance for doubtful accounts	(1,731)	(1,829)	(11,357)
<b>Total current assets</b>	<b>751,922</b>	<b>827,658</b>	<b>5,138,497</b>
<b>Noncurrent assets</b>			
<b>Property, plant and equipment</b>			
Buildings and structures, net	154,659	159,201	988,397
Machinery, equipment and vehicles, net	218,346	228,855	1,420,839
Land	230,806	224,969	1,396,714
Other, net	74,775	88,758	551,051
<b>Total property, plant and equipment</b>	<b>678,586</b>	<b>701,782</b>	<b>4,357,002</b>
<b>Intangible assets</b>			
Goodwill	285,199	277,137	1,720,601
Other	185,390	169,576	1,052,812
<b>Total intangible assets</b>	<b>470,589</b>	<b>446,714</b>	<b>2,773,414</b>
<b>Investments and other assets</b>			
Investment securities	72,503	76,836	477,035
Other	59,515	63,266	392,787
Allowance for doubtful accounts	(1,163)	(1,487)	(9,229)
<b>Total investments and other assets</b>	<b>130,856</b>	<b>138,616</b>	<b>860,592</b>
<b>Total noncurrent assets</b>	<b>1,280,031</b>	<b>1,287,112</b>	<b>7,991,008</b>
<b>Total assets</b>	<b>2,031,953</b>	<b>2,114,769</b>	<b>13,129,505</b>

(¥ in millions, US\$ in thousands)

	Dec. 31, 2023	Jun. 30, 2024	Jun. 30, 2024
	¥	¥	\$
<b>Liabilities</b>			
<b>Current liabilities</b>			
Notes and accounts payable-trade	177,375	177,211	1,100,210
Short-term loans payable	52,489	56,486	350,695
Current portion of long-term loans payable	23,552	21,295	132,210
Commercial papers	10,000	—	—
Current portion of bonds	40,000	90,000	558,763
Provision	12,198	8,908	55,305
Other	146,267	159,828	992,287
<b>Total current liabilities</b>	<b>461,881</b>	<b>513,728</b>	<b>3,189,470</b>
<b>Noncurrent liabilities</b>			
Bonds payable	250,000	290,000	1,800,459
Long-term loans payable	625,840	549,330	3,410,505
Provision for stock payment	3,361	4,344	26,970
Net defined benefit liability	9,961	10,055	62,424
Other	102,242	101,874	632,481
<b>Total noncurrent liabilities</b>	<b>991,404</b>	<b>955,602</b>	<b>5,932,838</b>
<b>Total liabilities</b>	<b>1,453,285</b>	<b>1,469,330</b>	<b>9,122,308</b>
<b>Net assets</b>			
<b>Shareholders' equity</b>			
Capital stock	182,146	182,146	1,130,851
Capital surplus	108,140	108,140	671,386
Retained earnings	137,269	128,892	800,225
Treasury stock	(11,593)	(13,275)	(82,419)
<b>Total shareholders' equity</b>	<b>415,963</b>	<b>405,903</b>	<b>2,520,043</b>
<b>Accumulated other comprehensive income</b>			
Valuation difference on available-for-sale securities	194	169	1,050
Deferred gains or losses on hedges	1,196	(746)	(4,630)
Revaluation reserve for land	26,113	61,149	379,641
Foreign currency translation adjustment	99,217	143,096	888,408
Remeasurements of defined benefit plans	10,154	9,502	58,992
<b>Total accumulated other comprehensive income</b>	<b>136,875</b>	<b>213,170</b>	<b>1,323,461</b>
<b>Non-controlling interests</b>	<b>25,830</b>	<b>26,366</b>	<b>163,693</b>
<b>Total net assets</b>	<b>578,668</b>	<b>645,439</b>	<b>4,007,197</b>
<b>Total liabilities and net assets</b>	<b>2,031,953</b>	<b>2,114,769</b>	<b>13,129,505</b>

## Consolidated Statements of Income

(¥ in millions, US\$ in thousands)

	Results for the first half year (Jan.1-Jun.30)		
	2023	2024	2024
	¥	¥	\$
Net sales	616,126	668,547	4,150,659
Cost of sales	505,829	517,105	3,210,434
Gross profit	110,297	151,442	940,225
Selling, general and administrative expenses	123,462	123,468	766,548
Operating income (loss)	(13,165)	27,974	173,677
Non-operating income			
Interest income	827	972	6,032
Dividends income	197	504	3,131
Equity in earnings of affiliates	1,913	2,659	16,511
Foreign exchange gains	7,225	6,617	41,082
Miscellaneous income	3,134	3,952	24,536
Total non-operating income	13,296	14,704	91,292
Non-operating expenses			
Interest expenses	6,655	6,587	40,897
Miscellaneous expenses	4,832	5,607	34,808
Total non-operating expenses	11,487	12,194	75,706
Ordinary income (loss)	(11,357)	30,485	189,263
Extraordinary income			
Gain on sales of noncurrent assets	1,507	20,196	125,384
Other	1,649	1,830	11,364
Total extraordinary income	3,156	22,026	136,748
Extraordinary loss			
Loss on sales and retirement of noncurrent assets	2,163	1,961	12,172
Impairment loss	2,994	1,352	8,396
Other	1,639	1,070	6,641
Total extraordinary losses	6,796	4,383	27,209
Profit (loss) before income taxes	(14,996)	48,128	298,802
Income taxes	3,669	9,696	60,198
Net income (loss)	(18,665)	38,432	238,604
Net income (loss) attributable to non-controlling interests	1,151	(13)	(80)
Net income (loss) attributable to owners of the parent	(19,817)	38,445	238,684

## Consolidated Statements of Comprehensive Income

(¥ in millions, US\$ in thousands)

	Results for the first half year (Jan.1-Jun.30)		
	2023	2024	2024
	¥	¥	\$
Net income (loss)	(18,665)	38,432	238,604
Other comprehensive income:			
Valuation difference on available-for-sale securities	(158)	(7)	(46)
Deferred gains or losses on hedges	(2,145)	(1,958)	(12,157)
Foreign currency translation adjustments	31,946	43,406	269,483
Remeasurements of defined benefit plans, net of tax	(24)	(652)	(4,047)
Share of other comprehensive income of entities accounted for using equity method	1,191	1,874	11,632
Total other comprehensive income	30,810	42,662	264,864
Comprehensive income	12,145	81,094	503,469
(Comprehensive income attributable to)			
Comprehensive income attributable to owners of the parent	9,776	79,704	494,843
Comprehensive income attributable to non-controlling interests	2,369	1,389	8,626

## Consolidated Statements of Cash Flows

(¥ in millions, US\$ in thousands)

	Results for the first half year (Jan. 1-Jun. 30)		
	2023	2024	2024
	¥	¥	\$
Net cash provided by (used in) operating activities			
Income (loss) before income taxes and minority interests	(14,996)	48,128	298,802
Depreciation and amortization	45,776	47,214	293,128
Impairment loss	2,994	1,352	8,396
Amortization of goodwill	8,433	8,619	53,512
Increase (decrease) in net defined benefit liability	(107)	(1,011)	(6,279)
Interest and dividends income	(1,023)	(1,476)	(9,164)
Interest expenses	6,655	6,587	40,897
Equity in (earnings) losses of affiliates	(1,913)	(2,659)	(16,511)
Loss (gain) on sales and valuation of investment securities	(31)	(123)	(761)
Loss on retirement of noncurrent assets	2,125	1,927	11,965
Loss (gain) on sales of noncurrent assets	(1,459)	(20,162)	(125,177)
Decrease (increase) in notes and accounts receivable-trade	23,821	(926)	(5,751)
Decrease (increase) in inventories	9,039	(2,058)	(12,775)
Increase (decrease) in notes and accounts payable-trade	(23,130)	(4,506)	(27,977)
Other, net	(4,258)	(21,868)	(135,766)
Subtotal	51,926	59,039	366,541
Interest and dividends income received	2,270	1,953	12,123
Interest expenses paid	(5,387)	(6,932)	(43,038)
Income taxes paid	(729)	(762)	(4,731)
Net cash provided by (used in) operating activities	48,080	53,297	330,895

(¥ in millions, US\$ in thousands)

	Results for the first half year (Jan. 1-Jun. 30)		
	2023	2024	2024
	¥	¥	\$
Net cash provided by (used in) investing activities			
Payments into time deposits	(655)	(615)	(3,817)
Proceeds from withdrawal of time deposits	608	329	2,043
Purchase of property, plant and equipment	(43,778)	(40,104)	(248,985)
Proceeds from sales of property, plant and equipment	3,394	25,811	160,248
Purchase of investment securities	(57)	(33)	(202)
Proceeds from sales of investment securities	1,114	257	1,598
Net decrease (increase) in short-term loans receivable	(66)	(239)	(1,485)
Payments of long-term loans receivable	(782)	(1,345)	(8,351)
Collection of long-term loans receivable	536	900	5,587
Other, net	(5,452)	3,978	24,697
Net cash provided by (used in) investing activities	(45,136)	(11,060)	(68,668)
Net cash provided by (used in) financing activities			
Net increase (decrease) in short-term loans payable	(14,868)	3,599	22,342
Net increase (decrease) in commercial papers	-	(10,000)	(62,085)
Proceeds from long-term loans payable	34,900	24,400	151,487
Repayment of long-term loans payable	(58,729)	(103,334)	(641,544)
Proceeds from issuance of bonds	29,843	99,904	620,252
Redemption of bonds	-	(10,000)	(62,085)
Purchase of treasury shares	(2)	(1,869)	(11,604)
Cash dividends paid	(11,781)	(11,752)	(72,959)
Cash dividends paid to non controlling shareholders	(1,200)	(598)	(3,716)
Other, net	(1,655)	(1,552)	(9,636)
Net cash provided by (used in) financing activities	(23,491)	(11,202)	(69,547)
Effect of exchange rate change on cash and cash equivalents	9,954	16,680	103,556
Net increase (decrease) in cash and cash equivalents	(10,593)	47,715	296,237
Cash and cash equivalents at beginning of period	186,844	189,915	1,179,081
Cash and cash equivalents at end of period	176,251	237,629	1,475,318

**(Reference)****SEGMENT INFORMATION**

Information about sales and operating income :

	6 Months ended June 30, 2023						
	Millions of yen						
	Semiconductor and Electronic Materials	Mobility	Innovation Enabling Materials	Chemicals	Others	Elimination	Consolidated
<b>Sales</b>							
Outside customers	¥ 153,393	¥ 103,944	¥ 43,561	¥ 254,920	¥ 60,309	¥ —	¥ 616,126
Inter-segment	2,202	1,389	5,560	6,050	3,154	(18,355)	—
Total	155,595	105,333	49,121	260,969	63,463	(18,355)	616,126
Operating income (loss)	¥ (13,098)	¥ 612	¥ 2,895	¥ 4,768	¥ (2,343)	¥ (6,000)	¥ (13,165)

	6 Months ended June 30, 2024						
	Millions of yen						
	Semiconductor and Electronic Materials	Mobility	Innovation Enabling Materials	Chemicals	Others	Elimination	Consolidated
<b>Sales</b>							
Outside customers	¥ 209,602	¥ 108,038	¥ 47,032	¥ 245,407	¥ 58,468	¥ —	¥ 668,547
Inter-segment	2,637	817	6,445	6,338	3,527	(19,764)	—
Total	212,239	108,855	53,477	251,745	61,995	(19,764)	668,547
Operating income (loss)	¥ 21,600	¥ 2,399	¥ 5,544	¥ 2,041	¥ (826)	¥ (2,785)	¥ 27,974

	6 Months ended June 30, 2024						
	Thousands of U.S. dollars						
	Semiconductor and Electronic Materials	Mobility	Innovation Enabling Materials	Chemicals	Others	Elimination	Consolidated
<b>Sales</b>							
Outside customers	\$ 1,301,309	\$ 670,751	\$ 291,996	\$ 1,523,604	\$ 362,999	\$ —	\$ 4,150,659
Inter-segment	16,372	5,072	40,014	39,348	21,897	(122,703)	—
Total	1,317,681	675,823	332,010	1,562,951	384,896	(122,703)	4,150,659
Operating income (loss)	\$ 134,106	\$ 14,897	\$ 34,420	\$ 12,672	\$ (5,126)	\$ (17,292)	\$ 173,677