



FY2022 Q2 Financial Results

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Forward-Looking Statements

Projections of future sales and earnings in these materials are "forward-looking statements."

Management offers these projections in good faith and on the basis of information presently available.

Information in these statements reflects assumptions about such variables as economic trends and currency exchange rates.

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• Economic trends in the U.S, Europe, Japan and elsewhere in Asia, particularly with regard to consumer spending and corporate expenditures.

- Changes in exchange rates of the U.S. dollar, euro, and Asian currencies.
- Furukawa Electric Group's ability to respond to rapid advances in technology.
- Changes in assumptions involving financial and managerial matters and the operating environment.
- Current and future trade restrictions and related matters in foreign countries.
- Changes in the market value of securities held by the Furukawa Electric Group.

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FY2022 H1 Results Highlights

- Higher revenue from the impact of foreign currency exchange, higher copper prices and mainly the Automotive Products & Batteries business
- Although operating income received a boost from foreign currency exchange, it declined due to soaring raw material and fuel prices at a whole group and lower customer production volumes in the Automotive Products & Batteries business
- Secured increased ordinary income and net income attributable to owners of the parent company
 (IPY billion JPY/kg JPY/USD)

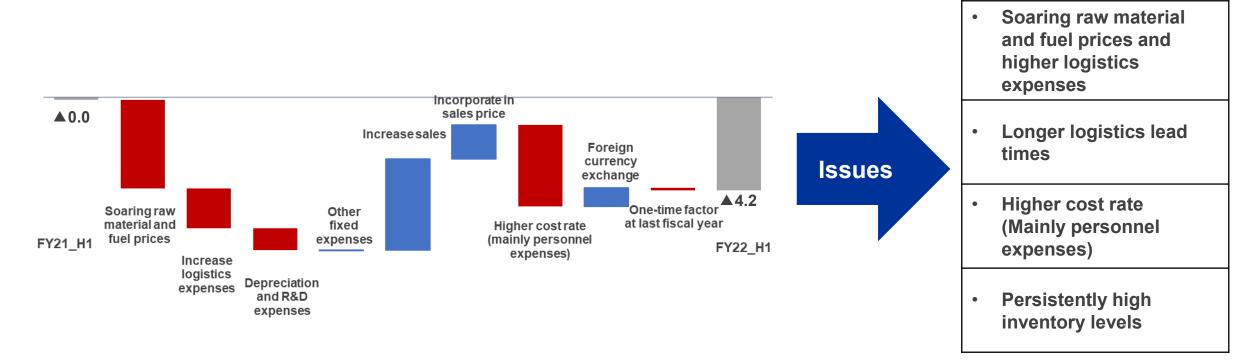
| 1 3 | | | (JPY billion, | , JPY/kg, JPY/USD) | r |
|---|---------|---------|---------------|--------------------|---|
| | FY20_H1 | FY21_H1 | FY22_H1 | YoY change | |
| | а | b | С | c-b | (Comparison with last year) |
| Net Sales | 354.5 | 447.3 | 524.5 | +77.3 | Higher revenue: Infrastructure, Electronics & Automotive Systems and Functional Products segments |
| Operating income | ▲ 3.3 | 7.2 | 4.6 | ▲ 2.7 | Increased income: Infrastructure and Functional Products segments Decreased income: Electronics & Automotive Systems segment |
| Ordinary income | ▲ 6.0 | 10.8 | 14.0 | +3.2 | Higher foreign currency exchange gain and equity method investment gain |
| Net income attributable to owners of the parent | 1.6 | 7.2 | 7.9 | +0.7 | Lower extraordinary profit |
| Average copper price | 675 | 1,092 | 1,205 | | - |
| Average exchange rate | 107 | 110 | 134 | ***** | м м |

Automotive Products & Batteries business

Made progress in incorporating the soaring raw material and fuel prices and higher logistics expenses in the sales price, and the full effects will be realized from Q3
 Personnel expense ratio rose due to the lockdowns in China and changes to customers'

production plans

[Changes in operating income (H1)]



Details provided on the following pages

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Automotive Products & Batteries business : Response to the issues and status of progress



| Issue | Response | Status of progress | | | | |
|---|---|--|--|--|--|--|
| Soaring raw | Incorporate the higher costs | Expect to incorporate the higher costs in the sales price as anticipated | | | | |
| material & fuel prices and higher logistics expenses | in the sales price (application | Metals (copper/ aluminum) & resin | Continuing negotiations directed at increasing the application rate | | | |
| | of market based pricing) Discuss and negotiate with | Components and materials specified by the customer | Complete | | | |
| | customers aimed at reaching an agreement | Secondary materials (electronic components, etc.) | Determine the share of costs through discussions with the customer (Negotiations remain ongoing) | | | |
| | during H1 | Logistics expenses | Determine the share of costs through discussions with the customer (Same as above) | | | |
| | | → Although some expenses have been recovered from Q1, full-scale recovery including retroactively from the start of the fiscal year is expected to occur from Q3 (Negotiations and discussions remain ongoing) | | | | |
| | Invoice the expenses incurred following changes to the production plan by the customer | Air freights : Fully recover air freight expenses incurred due to reasons attributable to the customer (Q1-) Warehouse expenses: Fully recover expenses incurred due to reasons attributable to the customer (Q1-) Inventory purchases: Currently negotiating with customers | | | | |
| Forecast for incorpora costs in the sales recovering incurred | price and | Q4 Recover Highe | er expenses | | | |

Automotive Products & Batteries business : Response to the issues and status of progress



| Issue | Response | Status of progress |
|--|--|---|
| Longer logistics lead times | Revise the logistics routes | Jointly use routes to the east coast for shipments to North America (Already completed from the start of the fiscal year) |
| | Revise the transaction terms for maritime cargo | Changed from spot contracts to annual contracts (Already completed from the start of the fiscal year) |
| Higher cost rate (mainly personnel expenses) | Respond in accordance with the changes to the production plan | In Q2, temporarily furloughed employees in Vietnam Although preparations were made in Q2 for increased production from September, the personnel expense ratio increased as a result of changes to the customers' production plans. |
| | Increase and train personnel in preparation for increased production | Although efforts are being made to secure skilled workers and enhance training, failed to achieve the targeted productivity level |
| | Further promote automation through the use of DX | Reduce labor requirements through the creation of component configuration tables by utilizing RPA* (already enacted) Reduce labor requirements by automating the inspection process (enacting) |
| | | *RPA : Robotic Process Automation |

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Automotive Products & Batteries business

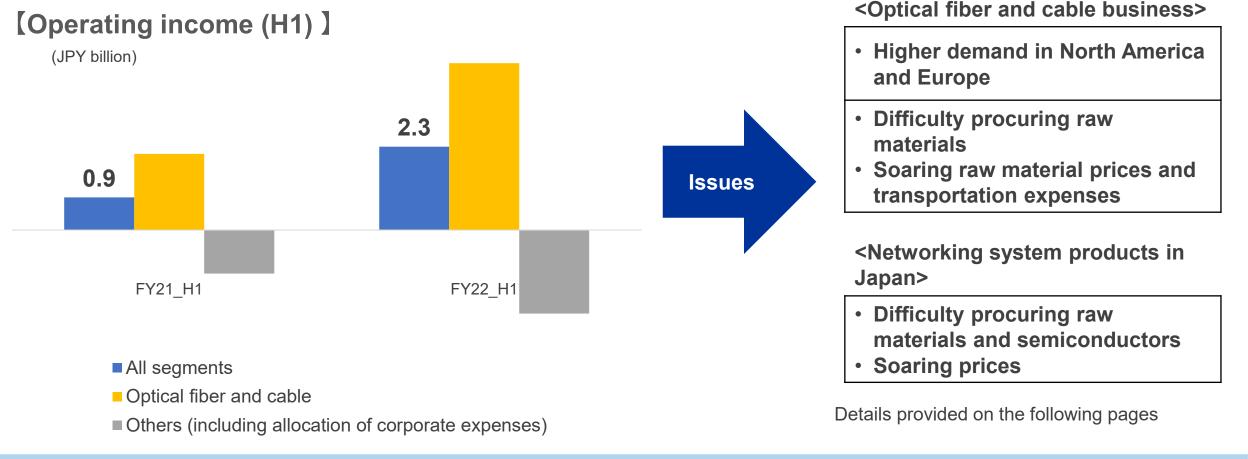
: Response to the issues and status of progress



| Issue | Response | Status of progress | | | | | | |
|---|---|---|--|--|--|--|--|--|
| Persistently high inventory levels | Restructure and improve based on "Adjust as the Case [*] " | Design and improvement cycle for inventory based on "Adjust as the Case" Analyze and visualize the current situation • Flow chart of goods and information • Structural analysis of inventories Ideal inventory structure (vision) Structure designed based on Just in time • Logistics/procurement policy • Supply and demand forecast • Accumulated knowledge Inventory structure (vision) with consideration for the external environment Structure designed based on "Adjust as the Case" | | | | | | |
| | *Concept of appropriately designing the inventory structure based on the changes in the business environment | (Actions being taken) Set and secure inventory levels based on conducting flexible production Set and secure inventory levels based on the procurement risk factors Develop and secure new overseas transportation routes In line with the changing business environment, constantly maintain inventory at optimum levels | | | | | | |

Communications Solutions Segment

- In the overall segment, profit increased as a result of higher net sales in the optical fiber and cable business and improved productivity
- Profit deteriorated in networking system products in Japan due to factors of raw material and semiconductor. Currently implementing recovery measures



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| - | Optical fiber and cable business : Response to the issues and status of progress | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|
| Higher demand in North America Europe Soaring raw material prices and transportation expenses | added products and improve productivity in higher costs in the sales price globally | | | | | | | | | |
| Issue | Response | Status of progress | | | | | | | | |
| Higher demand in North America and Europe | Increase sales of value-added products RR (Rollable ribbon) cable Specialty fibers | Both sales volumes and component ratio of RR cable are increasing in North America (RR ratio : FY21_H1 18% → FY22_H1 34%) Specialty fibers (for industrial and medical applications) are also performing well. Substrate of optical fiber and cable in North America (RR ratio : FY21_H1 18% → FY22_H1 34%) Fy20_H1 FY20_H1 FY21_H1 FY22_H1 FY2 | | | | | | | | |
| | Secure personnel directed at increasing production volumes at the optical cable manufacturing site in North America | Increasing personnel as planned through new hiring. In addition, the turnover rate has improved recently Going forward, work to improve skill levels and increase productivity. | | | | | | | | |
| | Increase production capacity of the optical cable site in Morocco | From Q3, increase cost competitiveness in Europe by bringing the transferred equipment on line Increase sales of RR cable for data centers and strengthen the connections with the networking systems business of FEL | | | | | | | | |
| Difficulty procuring raw materials Soaring raw material prices | Stable procurement | Secured supply of helium from the second half of Q2 (at a higher price) Expect the procurement environment to improve following increased supply going forward | | | | | | | | |
| and transportation expenses | Incorporate the higher costs in the sales price | Outstanding optical cable orders in North America are steadily declining toward reaching ideal situation Make progress in incorporating the higher costs in the sales price in North America. Continuing the efforts to incorporate the higher costs in the sale price in all regions | | | | | | | | |

Networking system products in Japan :Response to the issues and status of progress

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Although the CATV device market in Japan remains steady, there is difficulty procuring semiconductors / soaring prices Secure semiconductors, switch to new models, change the design Make progress in incorporating the higher costs in the sales price

Expect to achieve the H2 profit forecast

| Issue | Response | Status of progress |
|---|--|--|
| Difficulty procuring raw materials and semiconductors | Secure strategic inventory by grasping the lead time for raw materials and components, and procure in installments | Successfully reducing the impact of semiconductor lead times by securing strategic inventory, placing long-term advance orders and switching to new models Currently expanding the procurement routes and evaluating/ procuring alternative materials |
| Semiconductors | through long-term advance orders Reduce risk by switching to new models and changing the design Expand procurement routes / Procure alternative materials and components | Conversely, the number of affected semiconductor products has expanded, and lead times have increased Restrictions have been enacted on orders for some products The impact resulting from the difficulty procuring semiconductors is expected to remain ongoing into FY2023 |
| Soaring prices | Incorporate the higher costs in the sales price (Set sales prices at appropriate levels) | Incorporated the higher costs in the sales price for some products. Based on further increases in raw material prices, continue to incorporate the higher costs in the sales price |

Under the 2025 medium-term management plan, further strengthen technology development, including the fusion of FTTH and wireless, and focus on increasing customer value

Strengthen the framework for close cooperation with customers through utilization of the application laboratory established in the summer of this year

Macro Indicators (Changes from the initial assumptions)

Since the start of the fiscal year, the main economic indicators and semiconductor market environment have significantly deteriorated

| | Direction of change | 2022 Outlook : Initial (Apr. 2022) \rightarrow Nov. 2022 |
|-------------------------|------------------------|--|
| World's GDP | | From 3.3 to 2.9% (▲0.4%) |
| Japan's GDP | | From 2.6 to 1.8% (▲0.8%) |
| U.S. economy | | From 2.8 to 1.6% (▲1.2%) |
| Automotive market | | Global production is forecast to be from 80.3 million to 79.7 million (\blacktriangle 0.6 million cars) |
| Semiconductor market | | Growth rate of semiconductor shipments is forecast to increase from 13 to 6% ($\blacktriangle7\%$) |

(Note) Our forecast. Japan's GDP is the annual growth rate

Compared to the previous forecast, the Infrastructure segment has been revised up and Electronics & Automotive Systems has been revised down

| | | | (JPY billion) | Main revisions |
|--|---------------------------------------|-------------|----------------|---|
| Infrastructure | Communications Solutions | 5.0 | 8.0 | (+) Incorporate the soaring raw material and fuel prices in the sales price (+) Improvements to the product mix (Optical cable, specialty fibers) (+) Foreign currency exchange |
| | Energy Infrastructure | (No change) | | |
| Electronics & Automotive Systems | Automotive Products & Batteries | 6.0 | 3.0 3.0 | (-) Higher personnel expense ratio caused by the lockdowns in China and changes in customers' production plans |
| | Electronics Component Materials | (No change) | | |
| Functional Products | | (No change) | | |

- Revised the net sales and operating income forecast for several segments (overall forecast remains unchanged)
- After incorporating the gain in the sale of shares of a consolidated subsidiary, net income has been revised up
 (JPY billion, JPY/kg, JPY/USD)

| | | | | | | 1 1/kg, 31 1/00D/ | |
|---|-------|-------|--------------------------------|-----------------------|----------------|--------------------------------------|--|
| | FY20 | FY21 | *FY22 Previous forecasts | FY22 | YoY change | Change from previous forecasts | (Comparison with previous forecasts) |
| | a | b | С | d | d-b | d-c | |
| Net Sales | 811.6 | 930.5 | 1,050.0 | 1,050.0 | +119.5 | _ | Revised up: Infrastructure segment Revised down: Functional Products segment |
| Operating income | 8.4 | 11.4 | 22.5 | 22.5 | +11.1 | | Revised up: Infrastructure segment Revised down: Electronics & Automotive Systems segment |
| Ordinary income | 5.2 | 19.7 | 26.0 | 28.0 | +8.3 | +2.0 | Following the change to the exchange rate assumption, higher gain on foreign currency exchange |
| Net income attributable to owners of the parent | 10.0 | 10.1 | 14.0 | 21.0 | +10.9 | +7.0 | Incorporate extraordinary profit of JPY 10.7 billion from the sale of shares of a consolidated subsidiary |
| Average copper price | 770 | 1,136 | 1,260 | 1,128 | (H2 Assumption | : 1,050) | · |
| Average exchange rate | 106 | 112 | | 137 n May 12, 2022 | (H2 Assumption | : 140) | ※ Impact of the sale of a consolidated subsidiary Net sales: JPY ▲4.7 billion, Operating income: JPY ▲0.7 billion |

Dividend for the fiscal year ending March 31, 2023 is unchanged from the year-end dividend forecast of ¥60 per share announced on May 12, 2022.

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Concluded an agreement to subscribe to the tender offer for shares of TOTOKU ELECTRIC CO., Ltd.*

<Background and reason>

In accordance with the Medium-term Management Plan "Road to Vision 2030",

- "Make the position of each business visible" and "reorganize the business portfolio through optimum investment allocation" based on the positioning of each business
- Consider the handling of listed subsidiaries in the Furukawa Electric Group



Concentrating the group's strengths and management resources on domains with growth potential

Invest in and allocate resources to businesses that will contribute to future growth (Domains that combine information, energy and mobility, DX, the environment, etc.)

*TOTOKU ELECTRIC CO., LTD.: Develops and manufactures products with originality in areas such as electric wire, heater products, cable processed products and processed wire products based on technology cultivated in material development. The company is active on a global scale and became a consolidated subsidiary of Furukawa Electric Co., Ltd. in 2012





FY2022 H1 Detailed Financial Results

FY2022 H1 Results – P/L Summary



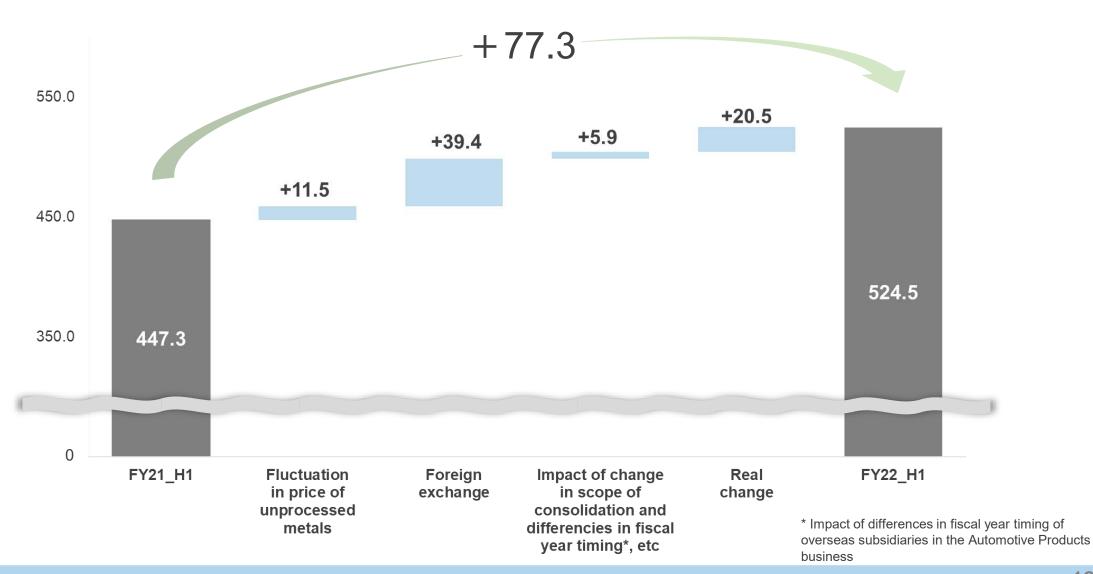
(JPY billion, JPY/kg, JPY/USD)

YonY **Breakdown of change** FY21_H1 FY22_H1 FY20_H1 (FY21_H1⇒FY22_H1) change b c-b а С +77.3 (+17%) 354.5 447.3 524.5 +77.3Net sales See page 19 ▲2.7 (▲37%) ▲ 3.3 7.2 4.6 ▲ 2.7 **Operating income** See page 20 ▲ 0.9% 1.6% 0.9% (Margin) ▲ 0.7 ▲ 1.1 4.3 Profit/loss in equity method affiliates 5.7 +1.4▲ 0.4 4.7 +4.4Foreign exchange gain/loss 0.4 ▲ 6.0 10.8 14.0 +3.2**Ordinary income ▲**3.2 (+30%) ▲ 1.7% 2.4% 2.7% +0.3(Margin) ·Extraordinary income 11.5 2.3 ▲ 2.2 Extraordinary income/loss 0.1 $\blacktriangle 2.2 \quad (3.5 \rightarrow 1.3)$ ▲ 3.4 ▲ 4.8 ▲ 5.9 ▲ 1.1 Income taxes ·Extraordinary loss Net income attributable to non-controlling ▲ 0.6 ▲ 1.1 ▲ 0.3 +0.8+0.0 (\blacktriangle 1.2 \rightarrow \bigstar 1.2) interests Net income attributable to 1.6 7.2 7.9 +0.7+0.7 (+10%) owners of parent 0.4% 1.6% (Margin) 1.5% ▲ 0.1 1.205 Average copper price 675 1.092 _ 107 110 Average exhange rate 134 _

Analysis of Changes in Net Sales (YoY)



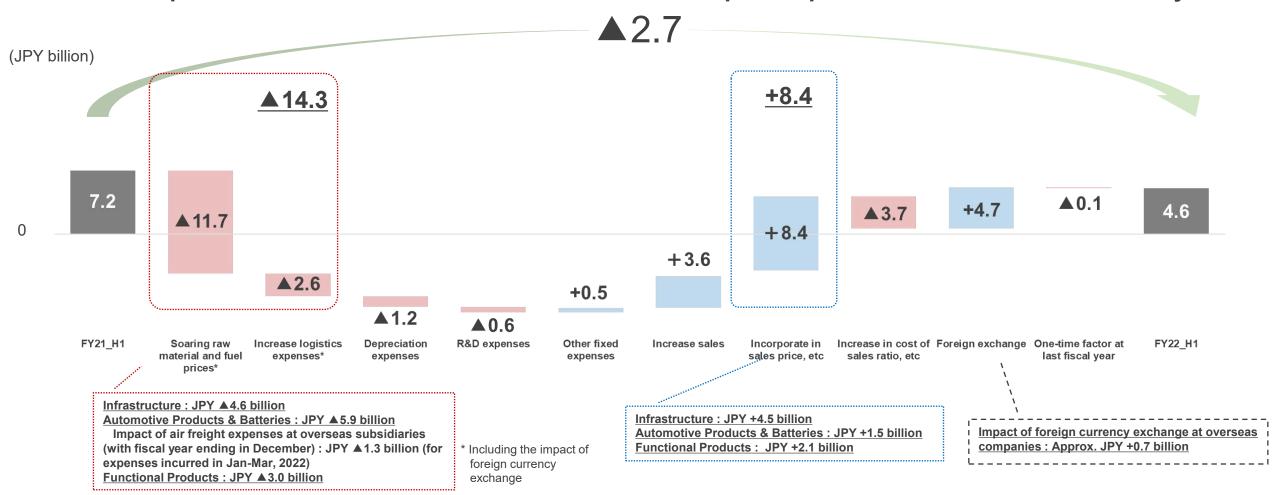
(JPY billion)



Analysis of Changes in Operating Income (YoY)

Lower profit due to an inability to fully cover the soaring raw material and fuel* prices and increased logistics expenses through price revisions and lowering the cost of manufacturing

Discussions and negotiations are ongoing with customers concerning price revisions and invoicing incurred expenses in the Automotive Products business. Expect improvements to be realized mainly in Q4



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FY2022 Full-year Forecasts – P/L Summary



| | | | | | (JPY billion, JPY | | | | |
|---|-------|-------|--------------------------------|-------------------|---------------------|----------------|---|--|--|
| | FY20 | FY21 | *FY22 Previous forecasts | FY22 forecasts | YonY change | YonY change | (Comparison with previous forecasts) | | |
| | а | b | C | d | d-b | d-c | · | | |
| Net sales | 811.6 | 930.5 | 1,050.0 | 1,050.0 | +119.5 | - | Change to foreign currency exchange rate | | |
| Operating income | 8.4 1 | | 22.5 | 22.5 22.5 +11.1 - | | | levels and copper price | | |
| (Margin) | 1.0% | 1.2% | 2.1% | 2.1% | +0.9 | +0.0 | | | |
| Profit/loss in equity method affiliates | ▲ 0.9 | 9.0 | _ | - / | - | - | | | |
| Foreign exchange gain/loss | 0.5 | 1.5 | _ | - | _ | | | | |
| Ordinary income | 5.2 | 19.7 | 26.0 | 28.0 | +8.3 | +2.0 | | | |
| (Margin) | 0.6% | 2.1% | 2.5% | 2.7% | +0.6 | +0.2 | | | |
| Extraordinary income/loss | 16.1 | 0.8 | ▲ 3.0 | 7.9 | +7.1 | +10.9 | ** | | |
| Income taxes | ▲ 9.2 | ▲ 7.2 | - | - | | | Extraordinary profit | | |
| Net income attributable to non-controlling interests | ▲ 2.1 | ▲ 3.1 | _ | - | - | | Gain on the sale of shares of a consolidated subsidiary of JPY 10.7 billion | | |
| Net income attributable to owners of the parent | 10.0 | 10.1 | 14.0 | 21.0 | +10.9 | +7.0 | Tax cost incurred due to recording extraordinary | | |
| (Margin) | 1.2% | 1.1% | 1.3% | 2.0% | +0.9 | +0.7 | profit | | |
| Average copper price | 770 | 1,136 | 1,260 | 1,128 | (H2 Assumption: 1,0 | J50) | | | |
| Average exhange rate | 106 | 112 | 120 | 137 | (H2 Assumption: 140 | .0) | | | |
| | | | | 40,0000 | 4 | | | | |

(JPY billion, JPY/kg, JPY/USD)

*Announced on May 12, 2022

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| | | | | | | | | (JPY billion) |
|---|--------|--------|--------|-------|------------------|-------|-------|---------------|
| | | Net s | ales | | Operating income | | | |
| | FY20 | FY21 | FY22 | ΥοΥ | FY20 | FY21 | FY22 | ΥοΥ |
| | a | b | с | c-b | d | e | f | f-e |
| Infrastructure | 122.2 | 142.9 | 159.8 | +16.9 | ▲ 1.7 | 1.5 | 2.5 | +1.0 |
| Communications Solutions | 76.3 | 92.8 | 108.0 | +15.1 | ▲ 0.2 | 0.9 | 2.3 | +1.4 |
| Energy infrastructure | 45.9 | 50.1 | 51.8 | +1.7 | ▲ 1.5 | 0.7 | 0.2 | ▲ 0.4 |
| Electronics & Automotive Systems | 175.3 | 238.8 | 293.2 | +54.5 | ▲ 3.0 | 2.4 | ▲ 1.8 | ▲ 4.2 |
| Automotive Products & Batteries | 95.2 | 120.4 | 157.9 | +37.5 | ▲ 2.7 | ▲ 0.0 | ▲ 4.2 | ▲ 4.2 |
| Electronics Component Materials | 80.0 | 118.3 | 135.3 | +17.0 | ▲ 0.4 | 2.4 | 2.4 | +0.0 |
| Functional Products | 52.4 | 63.8 | 70.2 | +6.3 | 2.2 | 4.0 | 4.9 | +0.9 |
| Service and Developments, etc. | 20.7 | 20.5 | 14.8 | ▲ 5.7 | ▲ 0.9 | ▲ 0.6 | ▲ 1.0 | ▲ 0.4 |
| Elimination of intra- company transactions | ▲ 16.1 | ▲ 18.8 | ▲ 13.5 | +5.3 | 0.1 | ▲ 0.1 | ▲ 0.0 | +0.1 |
| Total | 354.5 | 447.3 | 524.5 | +77.3 | ▲ 3.3 | 7.2 | 4.6 | ▲ 2.7 |

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Net Sales and Operating Income by Segment (Full-year forecast)

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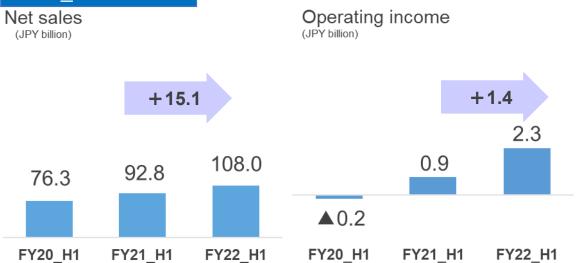
| | | | | | | | | | | | | (JPY billion) |
|---|-----------|--------|--------------------------------|------------------|--------|---|-------|-------|--------------------------------|----------------|-------|---|
| | Net sales | | | Operating income | | | | | | | | |
| | FY20 | FY21 | *FY22 Previous Forecasts | FY22 | ΥοΥ | Change from previous forecasts | FY20 | FY21 | *FY22 Previous Forecasts | FY22 | ΥοΥ | Change from previous forecasts |
| | а | b | с | d | d-b | d-c | e | f | g | h | h-f | h-g |
| Infrastructure | 259.2 | 297.0 | 330.0 | 345.0 | +48.0 | +15.0 | ▲ 2.1 | 5.2 | 6.5 | 9.5 | +4.3 | +3.0 |
| Communications Solutions | 158.3 | 191.3 | 215.0 | 230.0 | +38.7 | +15.0 | ▲ 0.2 | 3.8 | 5.0 | 8.0 | +4.2 | +3.0 |
| Energy infrastructure | 100.9 | 105.7 | 115.0 | 115.0 | +9.3 | - | ▲ 1.9 | 1.4 | 1.5 | 1.5 | +0.1 | - |
| Electronics & Automotive Systems | 433.0 | 500.7 | 575.0 | 575.0 | +74.3 | - | 5.9 | 0.1 | 10.0 | 7.0 | +6.9 | ▲ 3.0 |
| Automotive Products & Batteries | 235.1 | 249.9 | 295.0 | 305.0 | +55.1 | +10.0 | 5.0 | ▲ 4.6 | 6.0 | 3.0 | +7.6 | ▲ 3.0 |
| Electronics Component Materials | 198.0 | 250.8 | 280.0 | 270.0 | +19.2 | ▲ 10.0 | 0.9 | 4.8 | 4.0 | 4.0 | ▲ 0.8 | - |
| Functional Products | 114.7 | 130.0 | 155.0 | 140.0 | +10.0 | ▲ 15.0 | 6.3 | 7.6 | 8.5 | 8.5 | +0.9 | - |
| Service and Developments, etc. | 38.7 | 34.5 | 30.0 | 30.0 | ▲ 4.5 | - | ▲ 1.7 | ▲ 1.4 | ▲ 2.5 | ▲ 2.5 | ▲ 1.1 | |
| Elimination of intra- company transactions | ▲ 34.0 | ▲ 31.6 | ▲ 40.0 | ▲ 40.0 | ▲ 8.4 | - | 0.1 | ▲ 0.1 | 0.0 | 0.0 | +0.1 | - |
| Total | 811.6 | 930.5 | 1,050.0 | 1,050.0 | +119.5 | - | 8.4 | 11.4 | 22.5 | 22.5 | +11.1 | - |
| | | | *Announced or | n May 12, 202 | 2 | | | | *Announced of | on May 12, 202 | 22 | |

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1-(1) Infrastructure (Communications Solutions)

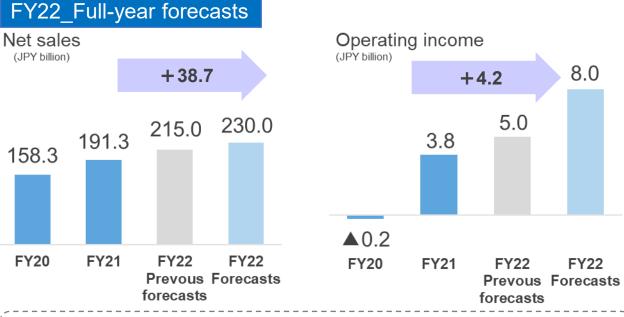


FY22_H1 Results



[H1 Operating income compared to last year]

- (+) Increased optical cable and networking systems business revenue in the Americas (higher ratio of high value-added products)
- (+) Incorporated the soaring raw material and fuel prices in the sales price
- (+) Increased optical cable productivity in North America
- (+) Impact of foreign currency exchange
- (-) Raw material and fuel prices continue to soar
- (-) Despite the steady CATV market in Japan, difficulty procuring semiconductors and soaring prices
- (-) Lower optical cable sales to Europe due to the situation involving Russia and Ukraine

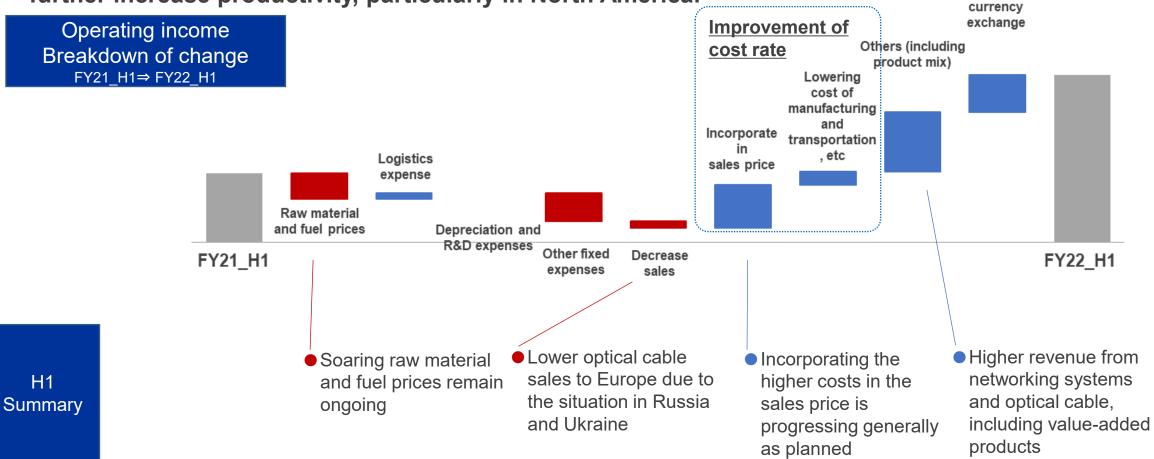


[H2 Forecasts]

- Optical fiber and cable demand is expected to remain strong in the Americas (Expect a temporary decline in Q3 due to seasonal factors)
- Specialty fibers (for industrial and medical applications) will also be strong
- Secure personnel directed at increasing optical fiber and cable production volumes in North America, and improve skill levels
- Further incorporate the soaring raw material and fuel prices in the sales price
- Expect increased revenue from digital coherent products and networking system products in Japan (seasonal factors)

1-(1) Infrastructure (Communications Solutions)

- : Analysis of changes in optical fiber and cable operating income (YoY)
- Increased profit through incorporating the higher costs in the sales price, improvements to the product mix and increased productivity.
- Directed at achieving the full-year forecast, continue to incorporate the higher costs in the sales price and further increase productivity, particularly in North America.
 Foreign Currently Currently Control of the sales price and further increase productivity, particularly in North America.

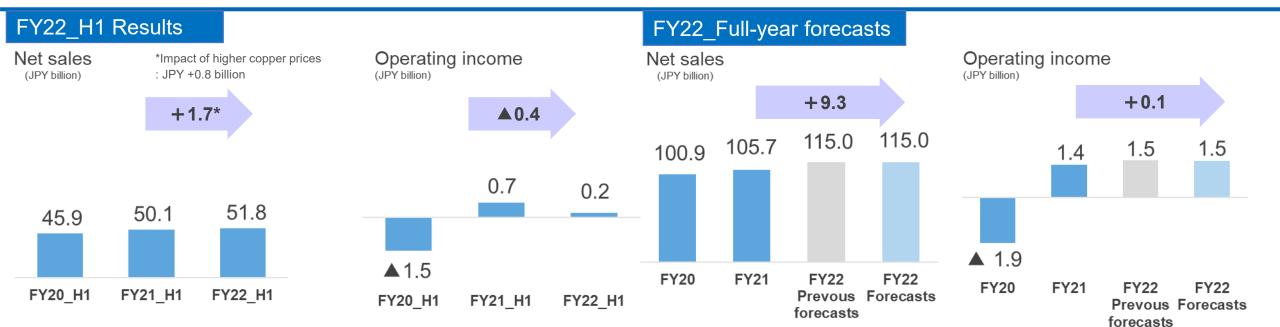


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1-(2) Infrastructure (Energy Infrastructure)

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[H1 Operating income compared to last year]

- (+) Underground cable projects in Japan and transmission components were steady
- (-) Delays to customer construction projects and lower operating levels at the subsidiary in China due to the COVID-19 lockdowns in China
- (-) Increased depreciation expenses

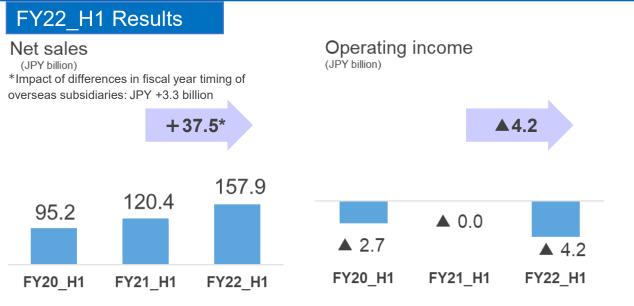
[H2 Forecasts]

- Similar to H1, expect progress as planned in underground cable, submarine cable and water pipe projects in Japan
- Although customer projects in China will continue to be delayed, a recovery is expected in H2
- Realize the benefits from incorporating the soaring raw material and fuel prices in the sales price



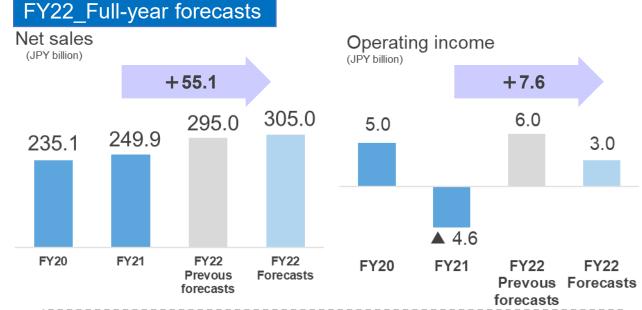
2-(1) Electronics & Automotive Systems (Automotive Products & Batteries)

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[H1 Operating income compared to last year]

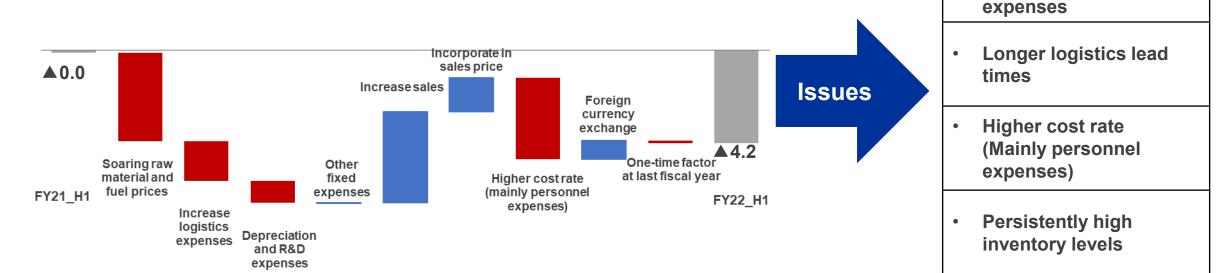
- (+) Differences in the product mix (wire harnesses for new vehicle models)
- (-) Soaring raw material and fuel prices
- (-) Higher costs for BCM initiatives following the lockdown in Vietnam last year
- (-) Higher cost rate caused by the lockdowns in China and changes in customers' production plans (mainly personnel expense)
- (-) Impact of air freight expenses (incurred in Q1) due to differences in the fiscal year timing of overseas subsidiaries (with a fiscal year ending in December)



[H2 Forecasts]

- Improve cost rate
- Progress will be made in incorporating the higher raw material and fuel costs and logistics expenses in the sales price
- Increase sales
- Downward revision to customers' production plans caused by the semiconductor shortage
- Impact of the sporadic lockdowns at facilities in China
- Batteries business will improve in H2

(JPY billion)



expenses in the sales price, and the full effects will be realized from Q3 Personnel expense ratio rose due to the lockdowns in China and changes to customers'

Made progress in incorporating the soaring raw material and fuel prices and higher logistics

2-(1) Electronics & Automotive Systems (Automotive Products & Batteries)

production plans

Operating income Breakdown of change FY21 H1⇒ FY22 H1

Net Sales and Operating Income by Segment

Breakdown of change in operating income

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Soaring raw material

and fuel prices and

higher logistics

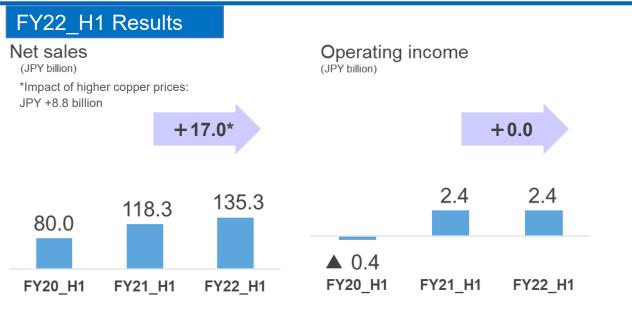
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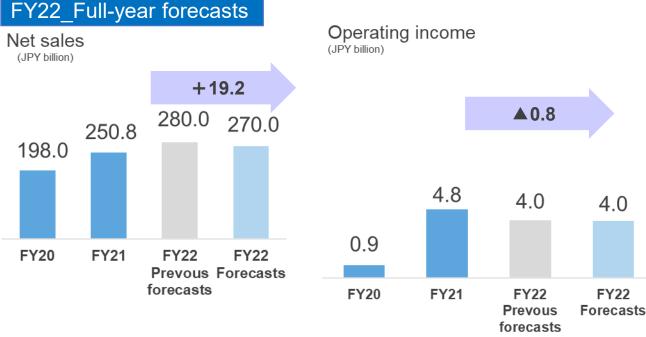
from P5

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2-(2) Electronics & Automotive Systems (Electronics Component Materials)

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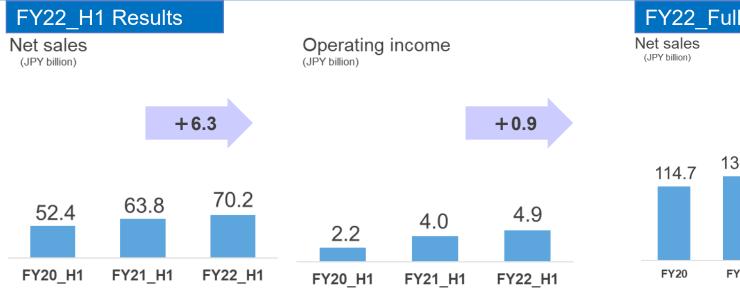
[H1 Operating income compared to last year]

- (+) Steadily captured demand for in-vehicle, electronics, semiconductor and communications infrastructure products
- (+) Incorporate the soaring raw material and fuel prices and logistics expenses in the sales price
- (-) Soaring raw material and fuel prices and logistics expenses

[H2 Forecasts]

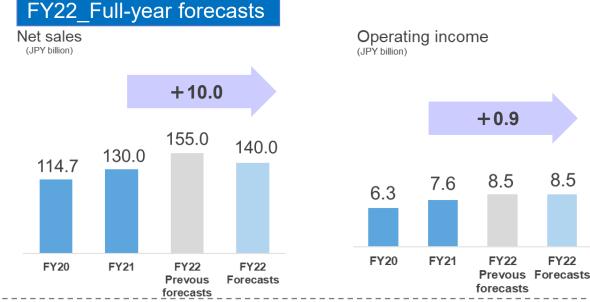
- Demand for communications infrastructure and power semiconductor products will be steady
- In-vehicle and electronics product demand will enter a correction phase
- Benefits from further incorporation in sales price and improvements to the product mix

3 Functional Products



[H1 Operating income compared to last year]

- (+) Products for data centers were steady
- (+) Incorporated the soaring raw material and fuel prices in the sales price
- (+) Impact of foreign currency exchange
- -) Soaring raw material and fuel prices and logistics expenses



[H2 Forecasts]

- Robust investment sentiment in North America, the main data center market
- Demand noticeably declined from the second half of Q2 due to customer inventory adjustments caused by the impact of the recession in China, global economic slowdown following global inflation and soaring raw material and fuel prices and the worldwide difficulty securing semiconductors
- Smartphone demand will continue to be weak
- Continuously incorporate the soaring raw material and fuel prices in the sales price
- % Sale of shares of a consolidated subsidiary
 - (Q4: Net sales ▲4.7 billion, Operating income ▲0.7 billion) *TOTOKU ELECTRIC CO., LTD.

FY2022 H1 Results –B/S Summary

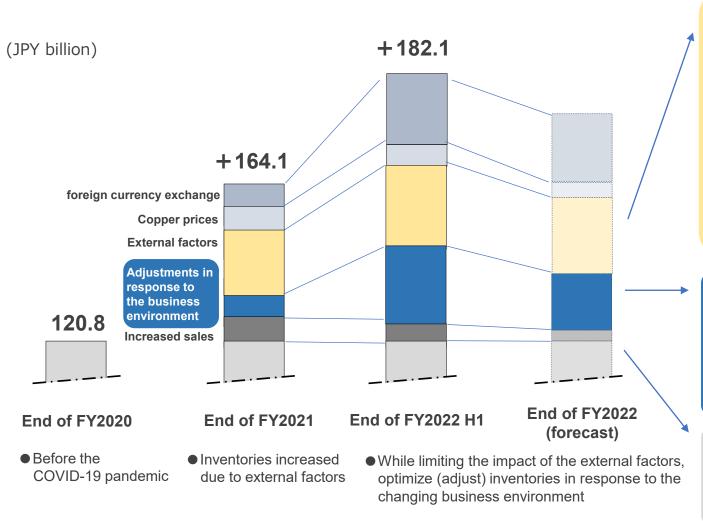
| -URUKAWA | |
|-----------------|--|
| ELECTRIC | |

| | | | (JPY billion) | |
|--|---------------|---------------|---------------|-----|
| | End of FY21Q4 | End of FY22H1 | Change | |
| | а | b | b-a | . / |
| Current assets | 503.0 | 512.0 | +9.1 | |
| Cash and bank deposits | 65.2 | 61.8 | ▲ 3.3 | |
| Notes and accounts receivable trade | 230.3 | 230.1 | ▲ 0.3 | |
| Inventories | 164.1 | 182.1 | +18.0 / | |
| Non-current assets | 432.9 | 468.2 | +35.3 | |
| Tangible fixed assets | 260.2 | 281.3 | +21.1 |] |
| Intangible fixed assets | 20.5 | 20.1 | ▲ 0.4 | |
| Investments and other assets | 152.2 | 166.8 | +14.6 | |
| Total Assets | 935.9 | 980.2 | +44.4 | |
| Current liabilities | 379.7 | 401.2 | +21.5 | |
| Non-current liabilities | 242.1 | 244.0 | +1.9 | |
| Total Liabilities | 621.8 | 645.1 | +23.3 | |
| Shareholders' equity | 266.0 | 270.6 | +4.6 | |
| Accumulated other comprehensive income | 13.2 | 27.8 | +14.6 | - |
| Net income attributable to non- controlling interests | 34.8 | 36.7 | +1.9 | |
| Total Net assets | 314.1 | 335.1 | +21.0 | |
| Total Lianbilities and Net assets | 935.9 | 980.2 | +44.4 | |
| Interest-bearing liabilities | 342.1 | 359.6 | +17.5 | - |
| Capital ratio | 29.8% | 30.4% | +0.6 | |
| NET D/E ratio | 1.0 | 1.0 | +0.0 ~ | |

| | <u>Inventories</u> Increased by JPY 18.0 billion (including the impact of foreign currency exchange and copper prices JPY +10.2 billion) Lower customer production volumes, lockdowns and increased logistics lead times: JPY +4.3 billion Strategic inventory (adjustments in response to the business environment): JPY +13.8 billion |
|---|---|
| | Property, plant and equipment & Intangible assets Increased by JPY 20.7 billion Impact of CAPEX and depreciation : JPY ▲0.6 billion Application of the new lease accounting standard at affiliates adopting US GAAP : JPY +6.2 billion Impact of foreign currency exchange : JPY +15.2 billion |
| | <u>Total assets</u> Increased by 44.4 billion Impact of foreign currency exchange: JPY +48.7 billion Impact of new consolidation: JPY +6.3 billion Application of the new lease accounting standard at affiliates adopting US GAAP: JPY +6.2 billion |
| | <u>Other comprehensive income</u> Increased by 14.6 billion Foreign currency translation adjustments : +18.1 billion (impact of Yen depreciation) |
| _ | <u>Net interest bearing debt</u> Increased by JPY 20.8 billion (JPY 277.0 billion→ JPY 297.8 billion) |

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Make improvements based on the concept of "Adjust as the Case" aimed at continuously adjusting inventories to optimum levels in response to the changes in the business environment



External factors

- Temporary increase due to sudden reductions in customer production volumes
- Temporary increase due to the lockdowns triggered by COVID-19 outbreaks
- Temporary increase in shipping lead times due to logistics disruptions
 - ⇒ Minimize the impact
 - Establish a system for rapidly adjusting operating levels when the customer suddenly reduces production
 - Develop multiple logistics routes
 - Production at multiple sites

Adjust in response to the business environment

- Secure raw materials in response to procurement difficulties
- Increase product inventory in response to logistics disruptions
- Establish product inventory on the customer's premises directed at shortening the lead time

Appropriately manage baseline inventories with consideration for increased net sales

Improve days inventory outstanding

Full-year CAPEX forecast remains unchanged

| | | | | | | | (JPY billilon) |
|---|---------|---------|---------|---------------|--------------------------------|-------------------|--|
| | FY20_H1 | FY21_H1 | FY22_H1 | YoY change | *FY22 Previous Forecasts | FY22 Forecasts | Change from previous forecasts (Full-year forecast) |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | а | b | С | c-b | d | е | e-d |
| CAPEX | 18.2 | 16.6 | 17.8 | +1.1 | 47.0 | 47.0 | Increase: Due to foreign currency exchange Decrease: Revise CAPEX execution timing based on |
| Depreciation and amortization | 15.8 | 17.0 | 18.9 | +1.9 | 38.0 | 38.0 | market trends Limit expenditures by revising the design specifications |
| R&D expenses | 10.4 | 10.1 | 11.8 | +1.7 | 24.0 | 25.0 | ^{+1.0} Increase: Due to foreign currency exchange |
| | ***** | | | **** | *Announced on M | av 12 2022 | |

*Announced on May 12, 2022

Thank you very much for your attention



| Segment | Sub-segment | Business Division | | | |
|--------------------------------|-----------------------------|---|--|--|--|
| | Oceanie ations | Optical Fiber and Cable Products | | | |
| | Communications Solutions | FITEL Products | | | |
| Infrastructure | Solutions | Broadband Solutions Business | | | |
| | | Power Cable | | | |
| | Energy Infrastructure | Industrial Cable & Power Cable Accessories | | | |
| | Automotive Products | Automotive Products | | | |
| Electronics & Automotive | & Batteries | Batteries | | | |
| Systems | Electronics Component | Electric Conductor (including fine magnet wire) | | | |
| | Materials | Copper & High Performance Material Products | | | |
| | | AT & Functional Plastics | | | |
| Functional Products | | Thermal Management Solution & Products | | | |
| Functional Floudels | | Memory Disk | | | |
| | | Copper Foil | | | |
| Service and Developments, etc. | | | | | |