

# Current Status of GS Yuasa Corporation









GS Yuasa Corporation

(TSE: 6674)

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# **Corporate Profile**

## 1. Corporate Profile



Corporate name **GS Yuasa Corporation** 

\*Holding company

Established April 1, 2004

\*Merger between Japan Storage Battery Co., Ltd. (established in 1917)

and Yuasa Corporation (established in 1918)

**Head office** 1, Inobanba-cho, Nishinosho, Kisshoin, Minami-ku, Kyoto

52.8 billion yen Capital

Consolidated net sales 562.9 billion yen (FY2024)

Number of employees Group Consolidated 12,892 (As of March 31, 2024)

Tokyo stock exchange (TSE: 6674) Listed-Financial **Instrument Exchange** 



President and Representative Director Takashi Abe



The Detroit electric vehicle imported from the USA by Genzo Shimadzu, founder of Japan Storage Battery Co., Ltd.

## 2. Business Areas



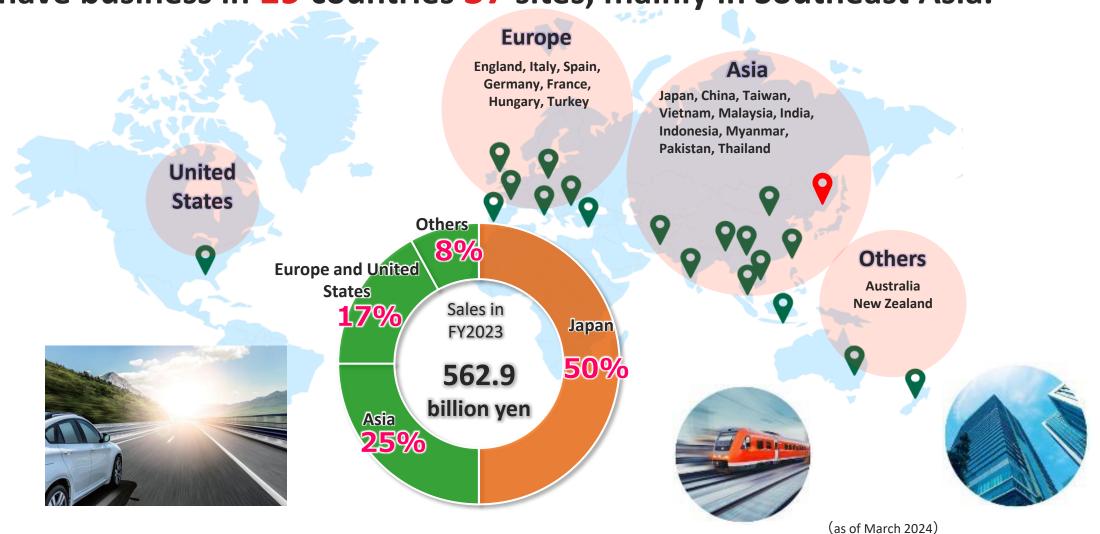
We have five business segments, starting with automotive.



## 3. Global Expansion



We have business in 19 countries 37 sites, mainly in Southeast Asia.





Vision 2035 (Long-Term Vision)

## 1. History of GS Yuasa



#### **GS** (Japan Storage Battery)



Inventor's spirit contribute to society by developing high quality products

Storage Battery Co., Ltd. Genzo Shimadzu



#### Ushering in a new EV era

Supply of lithium-ion batteries for the i-MiEV, the world's first massproduced EV



2010s Supply of lithium-ion batteries for PHEVs to Mitsubishi Motors Corporation

Mitsubishi Motors "Eclipse Cross PHEV"

Contributing to the

**Contributing to electrification** of Japanese automakers

Supply of lithium-ion batteries for HEVs to Honda Motor Co., Ltd.



TOYOTA "Harrier"

Supply of lithium-ion batteries for **HEVs to Toyota Motor Corporation** 



Contributing to the steady supply of electric power and the development of public infrastructure

1900s

Manufacture of large-capacity storage batteries for auxiliary power



Development of renewable energy storage systems

#### Supporting the development of aircrafts

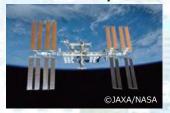


#### Contributing to the realization of decarbonized society

Delivery of a world-class storage battery facility for wind power generation

# Toward the next 100 years

#### Support safety from deep sea to outer space under harsh conditions



2010s Installation of lithium-ion batteries on

the International Space Station



2010s Mass production of Japan's first lithium-ion batteries for submarines

#### Challenging spirit

develop new businesses ahead of

Founder of Yuasa Storage Battery Co., Ltd. Shichizaemon Yuasa

YUASA (Yuasa Corporation)



**Contributing to the development** of the automotive industry

1910s

Manufacture of automotive lead-acid batteries



2000s Receiving orders of lithium-ion battery system for Boeing 787 in the U.S.

## 2. Business Environment surrounding GS Yuasa



#### **Environment surrounding GS Yuasa**

#### **Mobility**

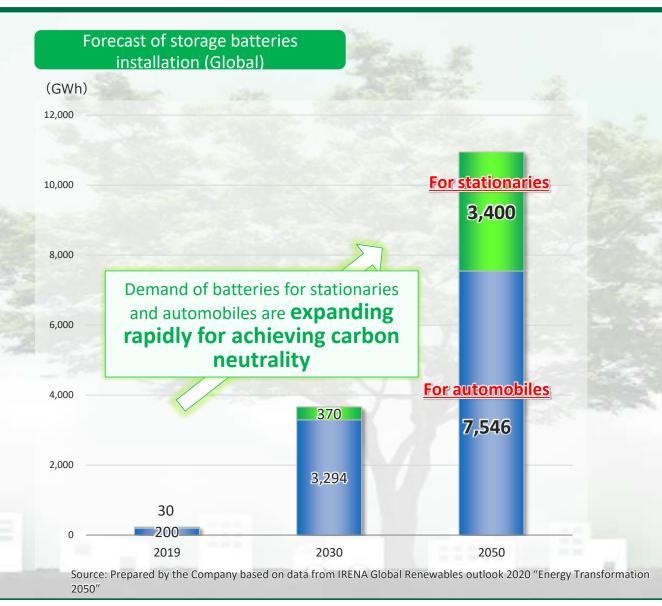
- Acceleration of electrification toward zero emissions
- Advancing levels of self-driving cars
- Acceleration of shift from ownership to use (e.g., car sharing)

#### **Public Infrastructure**

- As the introduction of renewable energy expands, the importance of storage batteries to control fluctuations and adjust supply and demand also expands. Demand for energy management is also expanding
- Increasing importance of backup for electric power, information, and communication infrastructure, etc.

#### **Specialized Batteries**

- Expanding space utilization
- Expanding marine resource exploration



## 3. Vision 2035



#### Vision of GS Yuasa in 2035

Based on the "Four Re's" formula, we strive for innovation in energy technology, endeavor to address the challenges facing society through the development of mobility and other public infrastructures, and seek to create comfortable living environments and play our part in the global effort toward sustainability.

Reborn

A century on and still inspired anew every day by the GS Yuasa founding spirit.

Vision 2035

Renewable

Making a genuine contribution to carbon neutrality.

**Re**liable

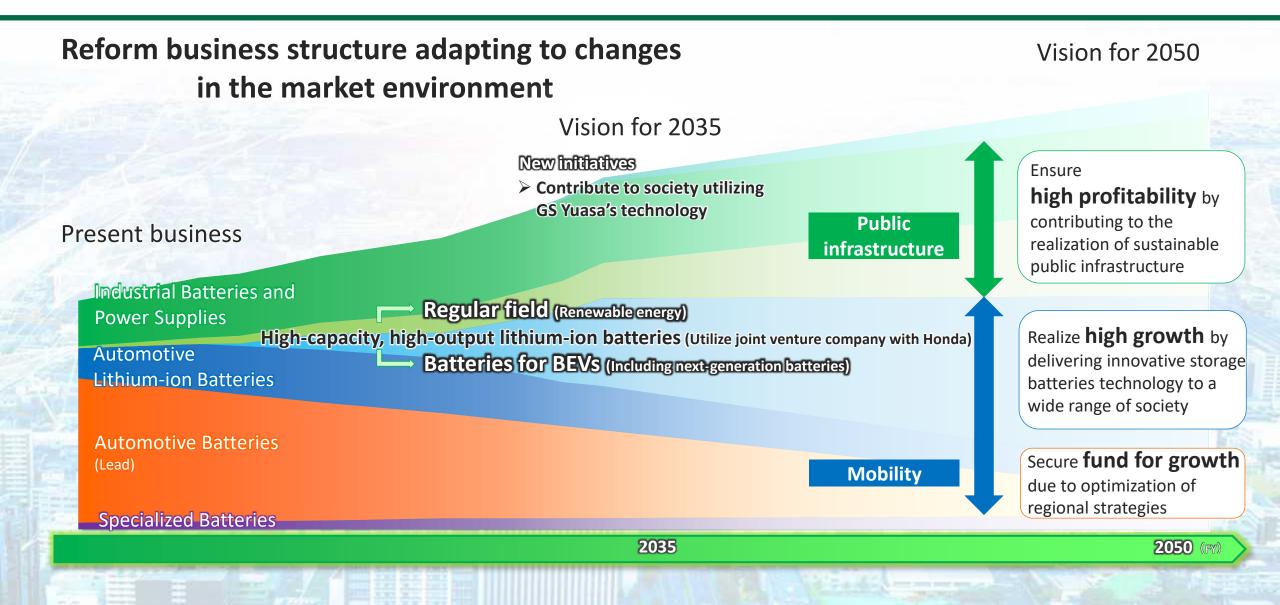
Committed to technical innovation and delivering solid, reliable energy.

Respect

Earning the respect of the world through solid action toward achieving the SDGs.

## 3. Toward Achieving Vision 2035 ("Innovation and Growth" of Our Business)





## 3. Toward Achieving Vision 2035 (Point of "Innovation of Growth")











#### HONDA



Knowledge cultivated through the development of lithium-ion batteries for HEVs, PHEVs, and BEVs

Research and development of a high-capacity, highoutput lithium-ion batteries "Network" and "Footwork" cultivated through industrial business

Contribute to solving social issues with our accumulated technological capabilities and R&D results

#### Mobility

Entry to BEV market by utilizing results of R&D

Supply lithium-ion batteries mainly for BEVs and also for HEVs, PHEVs, auxiliary and backup use

#### **Public infrastructure**

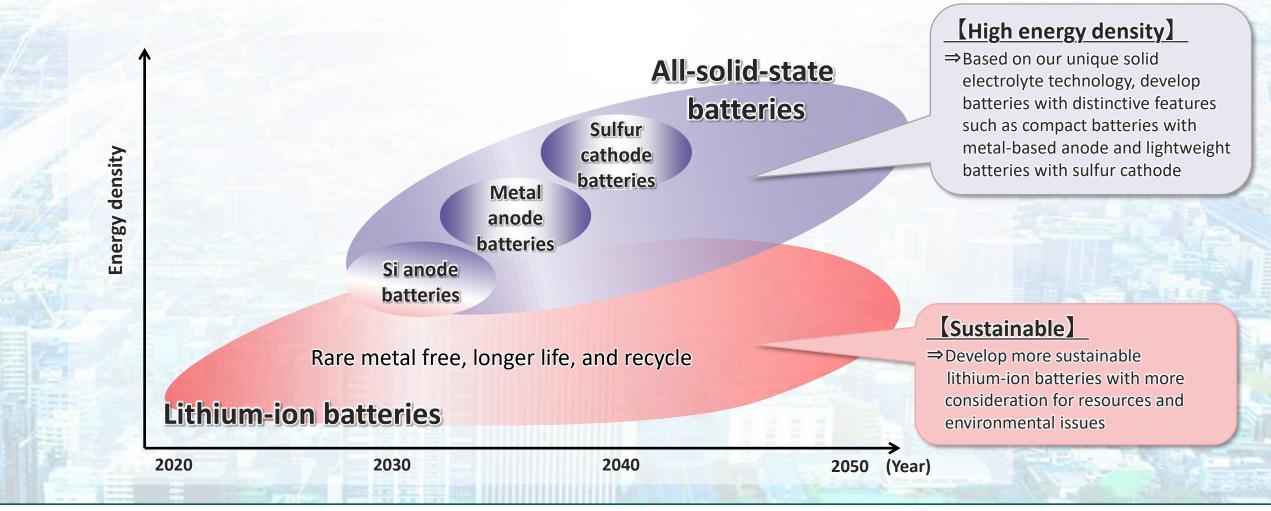
**Expand presence in the growing regular field market** 

Supply optimal batteries for a wide range of public infrastructures such as electric power, telecommunication and information

## 3. Toward Achieving Vision 2035 (Road map of Research and Development)

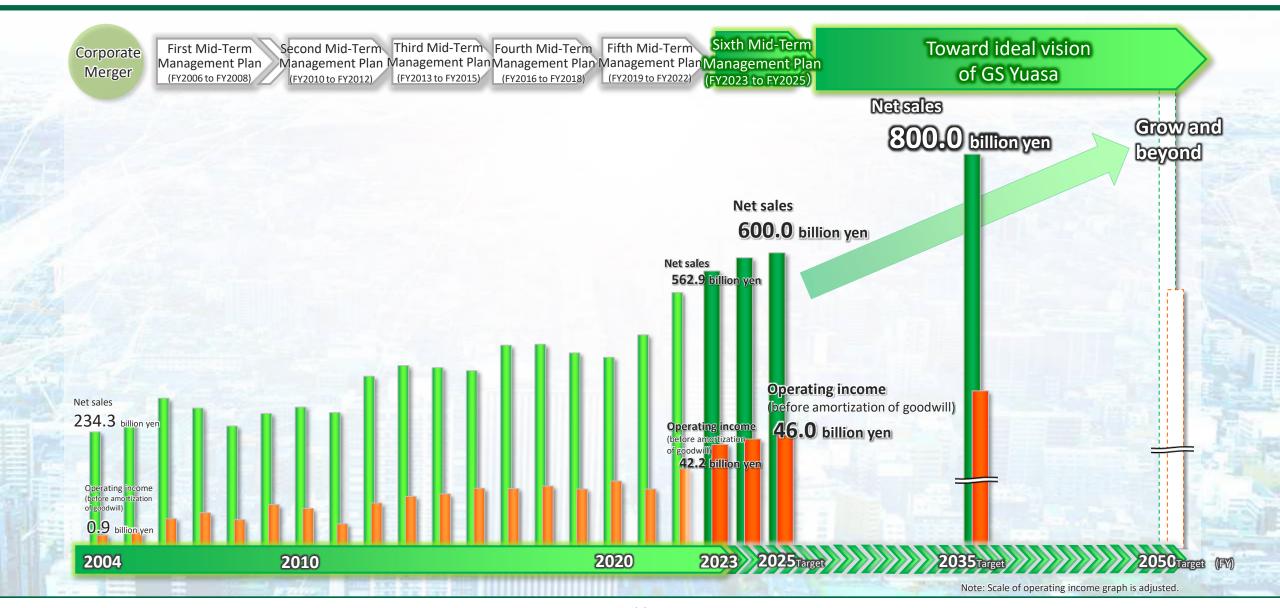


Contribute to the realization of carbon neutrality through research, development and commercialization of next-generation batteries



## 3. Toward Achieving Vision 2035 (Growth Story of Our Business)



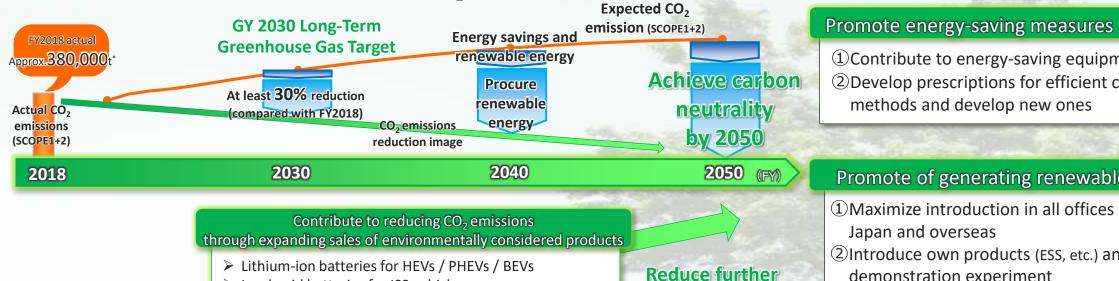


## 4. GY 2050 Carbon Neutrality Target



## We are committed to people, society and the global environment through

achieving Carbon Neutrality and reducing CO<sub>2</sub> emission by environmentally considered products



> Power conditioners / Industrial lithium-ion batteries etc.

Promote of generating renewable energy

1 Maximize introduction in all offices and plants in Japan and overseas

1) Contribute to energy-saving equipment

methods and develop new ones

2 Develop prescriptions for efficient charging

②Introduce own products (ESS, etc.) and conduct a demonstration experiment

#### Procure renewable energy

- 1) Purchase electric power that uses renewable energy
- 2 Procure reports of renewable energy

> Lead-acid batteries for ISS vehicles

Reducing CO<sub>2</sub>

emissions by

products

FY2021 At least

8 million t

CO<sub>2</sub> emissions by

products

<sup>\*</sup> GS Yuasa Group's CO<sub>2</sub> emissions aggregation standards have been changed, and in FY2018, we are undergoing third-party verification again.

<sup>1)</sup> Recalculated using the 2018 emission coefficient obtained from the Ministry of the Environment and IEA

<sup>2)</sup> Adopted the control standard as the calculation standard, and consolidated subsidiaries that can be directly influenced are included in the scope of calculation.



# Sixth Mid-Term Management Plan (FY2023-2025)

## 1. Sixth Mid-term Management Plan Policies and Issues



#### Sixth Mid-Term Management Policy

Positioning this period as one for laying the foundation for reform to realize the vision envisioned in Vision 2035, we will implement a variety of measures to reform our business structure.

#### **Implementation Measures**

1) Development-of-batteries-for-BEVs-

- > Development of a high-capacity, high-output lithium-ion batteries by utilizing joint venture company with Honda
- Measures > Establishment of production and supply systems of batteries for BEVs to expand mobility and public infrastructure business
- ②Reinforcement\_of\_earning\_capacity\_in\_existing\_business\_
  - > Thorough value-added creation and improvement in profitability

- ➤ Maximization of profits due to unparalleled superiority in Industrial Batteries and Power Supplies Business in Japan
- > Transformation of regional strategy including review of business in China, maximization of profits by concentrating resources at main sites
- 3DX / new business

- > DX promotion to enable business structure transformation
- Creation of new business that contribute to solving social issues

## 2. Reasons for Sixth Mid-Term Management Plan Update



#### Changes in the market environment

- ➤ Rising costs such as raw material prices due to the weaker yen and labor costs due to labor shortages
- Changing trends of conversion to EVs, reevaluation of HEVs mainly in the U.S. and Europe
- Expansion of national carbon neutral policies (subsidies for ESS and BEVs, etc.)
- > Restructuring of the supply chain in the lithium-ion battery field and the growth of large competitors

#### Changes in GS Yuasa

- Strengthen "earning power" of existing businesses mainly in Automotive Batteries and Industrial batteries and Power Supplies
- Reconsideration of business portfolio as part of the selection and concentration (transfer of business in China, etc.)
- Execution of strategies in growth areas with a focus on BEV business (establishment of Honda·GS Yuasa EV Battery R&D and land acquisition, etc.)

## 3. Management Target Update



## **Sixth Mid-Term Management Targets (FY2025 target)**

		FY2023 FY2024			Management Plan 5 Target	Change	
		Actual	Forecast	Initial target (Apr. 2023) (A)	Revised target (Jul. 2024) (B)	( (B)-(A) )	
Net Sales		562.9 billion yen	590.0 billion yen	610.0 billion yen or more	600.0 billion yen or more	-10.0 billion yen	
Operating income before amortization of goodwill		42.2 billion yen	44.5 billion yen	41.0 billion yen or more	46.0 billion yen or more	+5.0 billion yen	
(Operating income ratio)		7.5 %	7.5 %	6.7 % or more	6.7 % or more <b>7.7</b> % <b>or more</b>		
[Reference] Operating income before amortization of goodwill (before application of hyperinflationary accounting)		44.9 billion yen	47.1 billion yen	-	48.6 billion yen or more	-	
Return on equi	ty (ROE)	11.6 %	8 %	8 % or more	<b>8</b> % or more	-	
Return on invested capital (ROIC)		13.7 %	12.5 %	10 % or more	<b>10</b> % or more	-	
Total return ratio		20.6 %	26.5 %	30 % or more	<b>30</b> % or more	-	
	Domestic lead price quote	¥373,400 /t	¥372,000 /t	¥342,000 /t	¥ <b>372,000</b> /t	+¥30,000 /t	
Prerequisites	LME	2,121 US\$/t	2,200 US\$/t	2,000 US\$/t	<b>2,100</b> US\$/t	+100 US\$/t	
	Exchange rate	¥145.31 /US\$	¥145.0 /US\$	¥140.0 /US\$	¥145.0 /US\$	+¥5.0 /US\$	

- Notes: 1. The above indicators are based on profit before amortization of goodwill.
  - 2. ROIC is calculated as follows: Invested capital (fixed assets [excl. goodwill amortization] + working capital) / Operating income before amortization of goodwill. Invested capital is the average of amount at beginning and end of term.
  - 3. The amount of application of hyperinflationary accounting shown for reference is included in the FY2024 forecast and the FY2025 revised target for operating income as the same level as in FY2023.

#### **Forecast**

- The performance will remain strong due to significant price corrections mainly in Automotive Batteries, Industrial Batteries and Power Supplies
- Domestic lead prices will remain high due to the impact of yen depreciation

## 4. Update by Segments



(Billion yen)

FY2023		FY2024		S	Sixth Mid-Term Management Plan FY2025 Target			Change		-	[Reference] FY2025 Revised Target		
		Act	:ual	Fore	ecast	Initial target (Apr. 2023) (A)		Revised target (Jul. 2024) (B)		( (B)	-(A) )	(before ap hyperinflationa	plication of ary accounting)
		Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: pp)	Net sales	Operating income (Op. income ratio: pp)	Net sales	Operating income (Op. income ratio: pp)	Net sales	Operating income (Op. income ratio: pp)
Automotive	Japan	94.0	8.1 (8.6)	100.0	8.0 (8.0)	100.0	7.0 (7.0)	100.0	<b>9.0</b> (9.0)	±0.0	+2.0 (+2.0)	100.0	9.0 (9.0)
Batteries	Overseas	252.9	15.1 (6.0)	259.0	16.5 (6.4)	240.0	17.0 (7.1)	260.0	<b>17.0</b> (6.5)	+20.0	±0.0 (-0.6)	260.0	19.6 (7.5)
	atteries and Supplies	109.7	13.2 (12.0)	120.0	13.0 (10.8)	140.0	11.0 (7.9)	120.0	13.0 (10.8)	-20.0	+2.0 (+2.9)	120.0	13.0 (10.8)
	Lithium-ion eries	84.8	2.6 (3.1)	90.0	4.0 (4.4)	110.0	6.0 (5.5)	100.0	<b>5.0</b> (5.0)	-10.0	-1.0 (-0.5)	100.0	<b>5.0</b> (5.0)
Specialized E Oth	Batteries and ners	21.5	3.2 (7.7)	21.0	3.0 (14.3)	20.0	0.0 (-)	20.0	<b>2.0</b> (10.0)	±0.0	+2.0 (+10.0)	20.0	2.0 (10.0)
То	tal	562.9	42.2 (7.5)	590.0	44.5 (7.5)	610.0	41.0 (6.7)	600.0	46.0 (7.7)	-10.0	+5.0 (+1.0)	600.0	<b>48.6</b> (8.1)
Main reasons for profit forecast revision									FY2023 FY	2024 FY2	2025 F	Y2025	Change

#### Main reasons for profit forecast revision

- > Automotive Batteries and Industrial Batteries and Power Supplies reflects the impact of price revision
- > Automotive Batteries (Overseas) considers the impact of hyperinflationary accounting in Turkey
- > Industrial Batteries and Power Supplies considers strong performance in the regular field
- > Specialized Batteries and Others reflects revision of administrative expenses

<prerequisites></prerequisites>	FY2023 Actual	FY2024 Forecast	FY2025 Initial target (A)	FY2025 Revised Target (B)	Change ( (B)-(A) )
Domestic lead price quote (¥10,000/t)	37.34	37.2	34.2	37.2	+3.0
LME (US\$/t)	2,121	2,200	2,000	2,100	+100
Exchange rate (¥/US\$)	145.31	145.00	140.00	145.00	+5.00

#### Notes:

<sup>1.</sup> Operating income is operating income before amortization of goodwill and operating income ratio is operating income ratio before amortization of goodwill.

<sup>2.</sup> The inflation adjustment amount shown in Automotive Batteries (overseas) segment for reference is included in the FY2025 revised target for operating income as the same level as in FY2023.

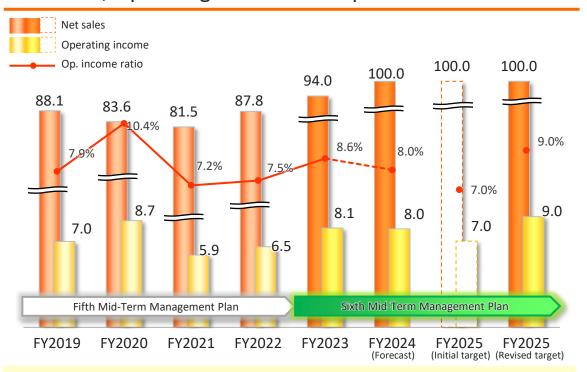
## 4. Update by Segments (Automotive Batteries (Japan))



#### **Automotive Batteries (Japan)**

Net sales, Operating income and Op. ratio

(Billion yen)



Factors for Target Revision (Sixth Mid-Term Management Plan)

- ➤ Effects of establishing appropriate prices for new automobiles, reflecting the impact of soaring raw material prices and other costs
- > Strengthen sales by restructuring marketing strategies for replacement

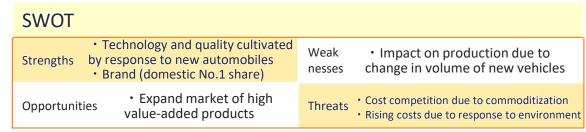
**Upcoming Initiatives** 

## >[Production]

Building an optimal production system and stable supply system in response to BCP

### >[Sales]

Continuing efforts to further strengthen profitability for both new automotive and replacement batteries



Note: Operating income is operating income before amortization of goodwill and operating income ratio is operating income ratio before amortization of goodwill.

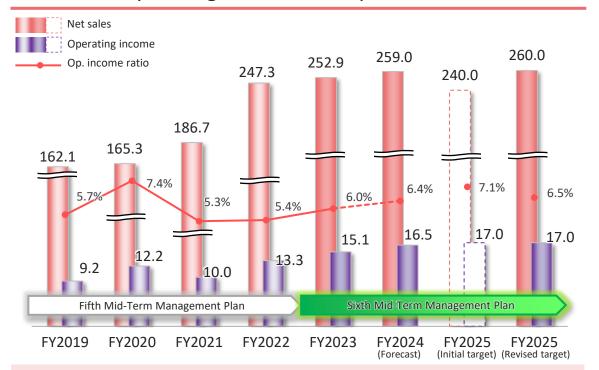
## 4. Update by Segments (Automotive Batteries (Overseas))



## **Automotive Batteries (Overseas)**

Net sales, Operating income and Op. ratio

(Billion yen)



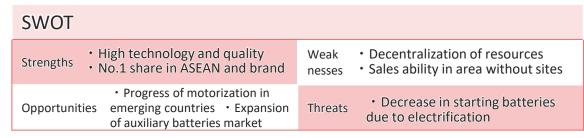
Factors for Target Revision (Sixth Mid-Term Management Plan)

- > Effects of price revision mainly in Europe and Australia
- > Impact of the hyper-inflationary accounting in Turkey after FY2023

#### **Upcoming Initiatives**

- ➤ [Strategic sites (Southeast Asia, Europe and Australia)]
  Strengthening management base and further improving profitability by concentrating resources
- **≻**[Other sites]

Promoting strategies based on selection and concentration following the conversion of the China site to an equity-method affiliate company



Note: Operating income is operating income before amortization of goodwill and operating income ratio is operating income ratio before amortization of goodwill.

## 4. Update by Segments (Automotive Batteries)





#### **Strategies of Automotive Batteries Business**



#### **Europe**

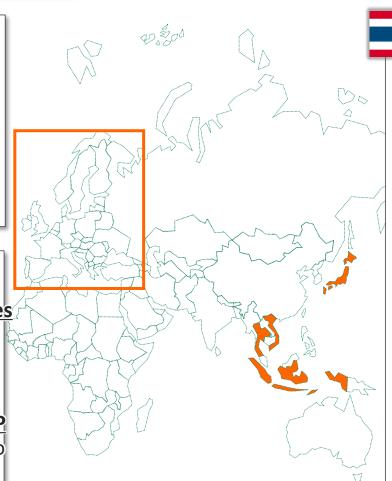
#### Turkey

Forming a product mix centered on high value-added products

Expanding sales as an export site to Europe and other neighboring regions against the backdrop of the weak Turkish lira



- Improving business for new automobiles
  Improve profitability by realizing adequate
  price for new automotive batteries
- Developing an optimal production and stable supply system in response to BCP Reconsidering domestic production sites to build a mutually complementary system



Southeast Asia

#### Thailand

Expanding sales of high value-added products by leveraging our brand and product strength as a core site for automotive batteries

Thailand

Production volume

FY2023 **5.0** million

Establish
a production system
6.0 million units / year

#### Indonesia

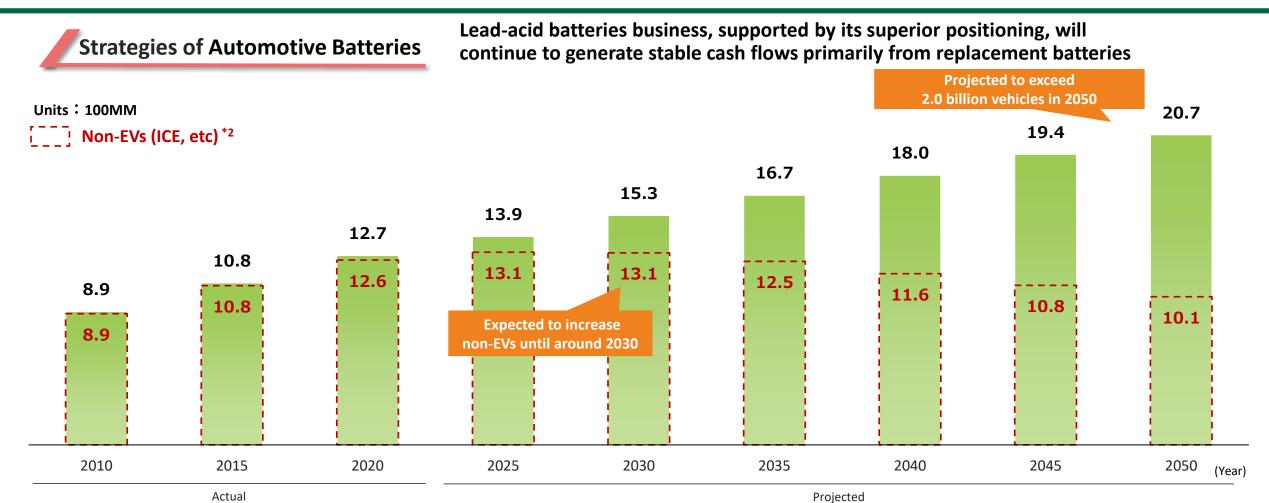
Promoting improvement of profit rate by strengthening sales expansion of replacement and export batteries as a core site for motorcycle batteries

#### ■ Vietnam

Increasing sales by improving productivity through the introduction of labor-saving equipment and by restructuring the sales system

## 4. Update by Segments (Automotive Batteries)





**[Demand for lead-acid batteries]** Replacement use for ICE + Auxiliary use for EVs

Notes: EVs in this chart includes HEVs, PHEVs and BEVs Source: Prepared by us based on data from Wood Mackenzie "No. of Road Vehicles (Car Parc)" (as of 10<sup>th</sup> Oct, 2023)

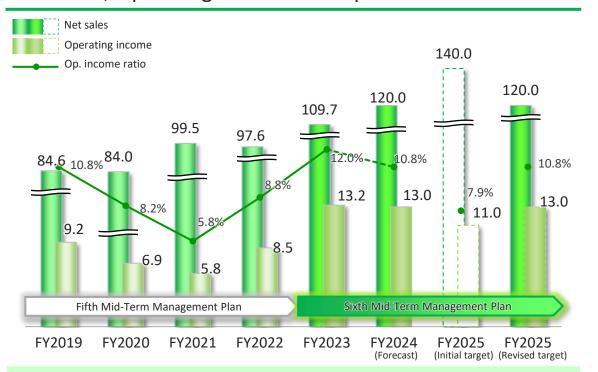
## 4. Update by Segments (Industrial Batteries and Power Supplies)



## **Industrial Batteries and Power Supplies**

Net sales, Operating income and Op. ratio

(Billion yen)



Factors for Target Revision (Sixth Mid-Term Management Plan)

- > Effects of the price pass-through in the emergency field
- ➤ Increased profitability in the regular field due to demand for carbon neutrality and subsidies

#### **Upcoming Initiatives**

- ➤ [Emergency Field (Japan)]
  Improving profitability by reflecting raw material prices and inflation effects on selling prices
- ➤ [Regular Field (Japan)]

  Securing production capacity to meet strong demand and expanding sales by ESS with PCS
- ➤ [For Forklifts (Global)]
  Establishing of efficient production system by
  starting operation of new forklift plant in Kyoto area

SWOT			
Strengths	• High presence in Japan	Weak nesses	
Opportunities	<ul> <li>Expansion of renewable energy market</li> </ul>	Threats	<ul> <li>Entering renewable energy market by global competitors</li> </ul>

Note: Some consolidated subsidiaries in the "Industrial Batteries and Power Supplies" segment were transferred to the "Specialized Batteries and Others" segment in fiscal 2023. In conjunction with this change, figures for fiscal 2022 were restated according to the modified segments.

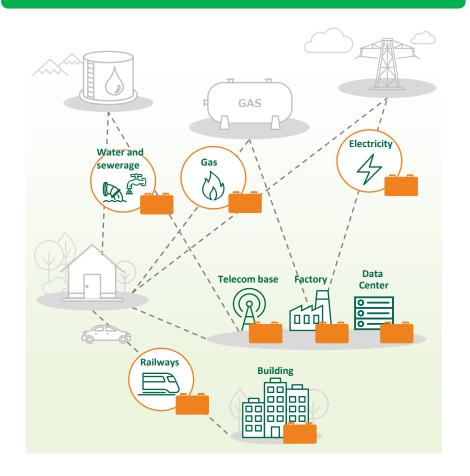
## 4. Update by Segments (Industrial Batteries and Power Supplies)

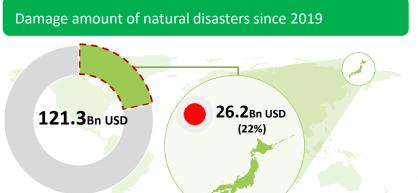


**Strategies of Emergency Field** 

Growing demand for backup batteries and power supplies backed by the national resilience policy and expansion of the data center service market driven by IoT

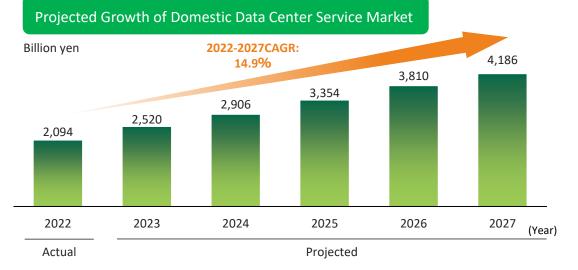
Backup Batteries & Power Supplies Supporting Public Infrastructure





# Expected Demand Growth for backup business for National Resilience

Source: Prepared by us based on data from Cabinet Office "White Paper on Disaster Management 2020"



Source: Prepared by us based on data from IDC Japan "Domestic Data center service market forecast, 2023 - 2027"

## 4. Update by Segments (Industrial Batteries and Power Supplies)



#### **Strategies of Regular Field**

Conceptional image of Yatogo Energy Storage Station (Kumagaya City, Saitama Pref.)



The performance of regular field will remain strong in FY2024

- Project owner: Sub-subsidiary of Mizuho Leasing Company
- Operation : February 2025
- > Capacity: 7.46MWh

Conceptional image of Tsunokobaru Power Storage Station (Oita City)



Created by Chiyoda Corporation (using Google Maps and map data from the Geospatial Information Authority of Japan)

- Project owner : Nijio Co., Ltd.
- Operation: FY2026 (Plan)
- Capacity: 50MWh

#### Expanding production of lithium-ion batteries for regular use

- Expanding the production capacity of the former LEJ (current GS Yuasa) in FY2023
- •BEV production capacity at the new plant, which will start operation in FY2027, will also be utilized in the regular field, where demand is strong.

#### Production for regular field (Sales volume expansion)

FY2023 Approx. FY2024

Approx. Supply a 1.0 million cells

Supply approx. **1.3 million cells** (Plan)

FY2027-

Utilizing production capacity of lithium-ion batteries for BEVs

and expand production

#### Development and sales expansion of lithium-ion batteries for renewable energies

The 1<sup>st</sup> Generation (LEPS-1)

The 2<sup>nd</sup> Generation (LEPS-2)

Increasing production capacity to meet growing demand, starting with delivery to one of the world's largest storage batteries facilities

Delivery for a world-class storage battery facility (Toyotomi-cho, Hokkaido) Received the order from ENEOS for Japan's largest storage battery system for power grid applications



Source: North Hokkaido Wind Energy Transmission Corporation (https://www.hokubusouden.com/progress/869/#contents) (const

ENEOS Muroran Plant (construction phase)

The 3<sup>rd</sup> Generation (FY2027-)

Leveraging R&D
results with Honda
to meet growing
demand for
carbon neutrality



Chiba Refinery of Osaka International Refining Company (conceptional image of completed site)

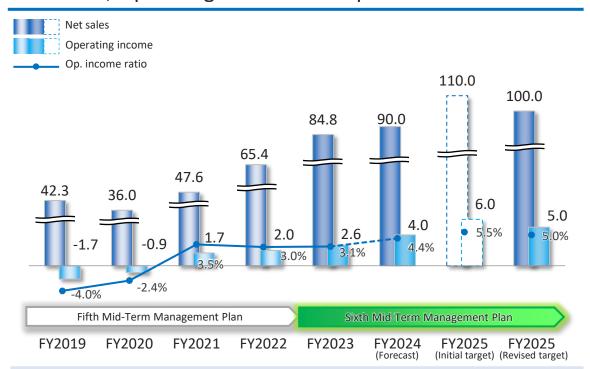
## 4. Update by Segments (Automotive Lithium-ion Batteries)



#### **Automotive Lithium-ion Batteries**

Net sales, Operating income and Op. ratio

(Billion yen)



Factors for Target Revisions (Sixth Mid-Term Management Plan)

- Decrease in selling price due to significant decline in raw material prices
- > Decrease in volume due to delivery delay from the additional car manufacturer

#### **Upcoming Initiatives**

#### **≻[HEV]**

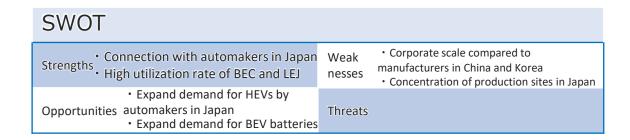
- Revising selling prices according to the situation such as raw material price hikes and inflation
- Promoting stable operation of facilities and improving yield in line with production capacity

## >[PHEV / ESS]

Responding to demand by expanding production capacity

## **≻**[BEV]

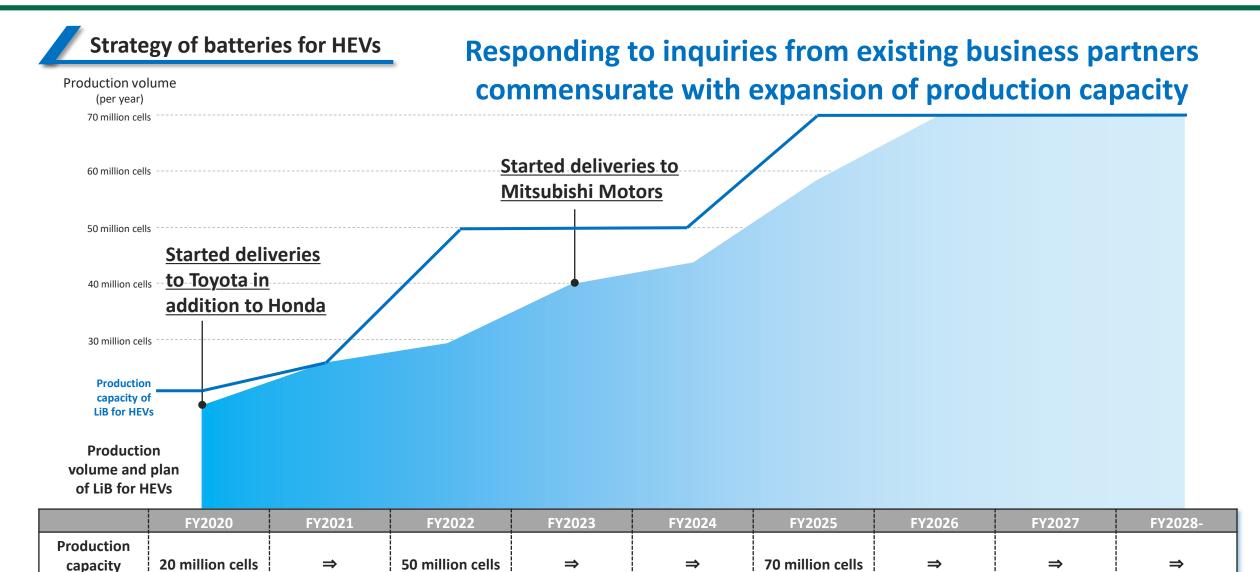
Preparation for new plant start-up in FY2027



## 4. Update by Segments (Automotive Lithium-ion Batteries)

(per year)





## 4. Update by Segments (Automotive Lithium-ion Batteries)



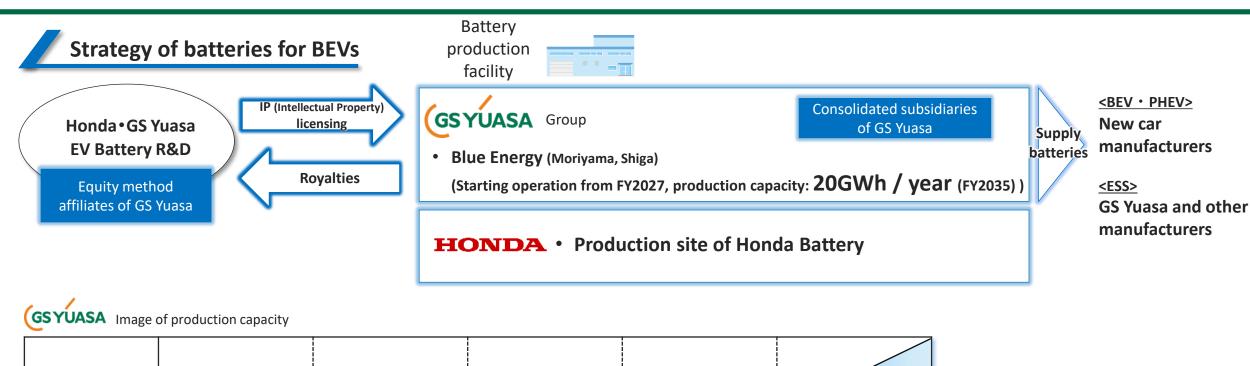


Image of batteries for BEVs production capacity of Blue Energy

FY2027 FY2028 FY2029 FY2030 FY2031-

Exceed
20GWh / year
(FY2035)

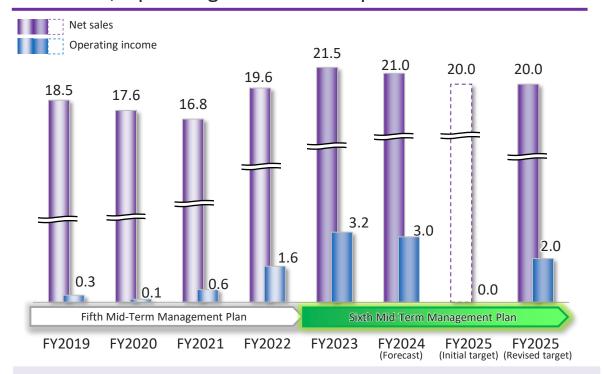
## 4. Update by Segments (Specialized Batteries and Others)



#### **Specialized Batteries and Others**

Net sales, Operating income and Op. ratio

(Billion yen)



Factors for Target Revisions (Sixth Mid-Term Management Plan)

- > Effect of the price pass-through of lithium-ion batteries for submarines
- > Revision of administrative expenses

#### **Upcoming Initiatives**

- ➤ [Lithium-ion Batteries for Submarines]
  Securing appropriate profit and preparing for the demand of replacement batteries
- ➤ [Other Specialized Batteries]
  Expansion of production capacity in response to enhancing defense capabilities

SWOT			
Strengths	<ul> <li>The only one specialized</li> <li>batteries manufacturers in Japan</li> <li>High technology and reliability</li> </ul>	Weak nesses	<ul><li>Delay in digitalization</li><li>Aging equipment</li></ul>
Opportunities	<ul> <li>Formulation of the Three Principles on Defense Equipment Transfer</li> <li>Expansion of new market such as for space use</li> </ul>	Threats	<ul> <li>Higher costs due to increased development difficulty</li> <li>Increased social responsibility</li> </ul>

Note: Some consolidated subsidiaries in the "Industrial Batteries and Power Supplies" segment were transferred to the "Specialized Batteries and Others" segment in fiscal 2023. In conjunction with this change, figures for fiscal 2022 were restated according to the modified segments.

## 5. Financial Policy and Capital Allocation



## **Financial Policy**

- ➤ Maintain a shareholders' equity ratio of 40% or more while investing in growth in mobility and public infrastructure
- Target of total return ratio before amortization of goodwill, etc. is 30% or more (achieve both investment in growth and stable dividends to shareholders)

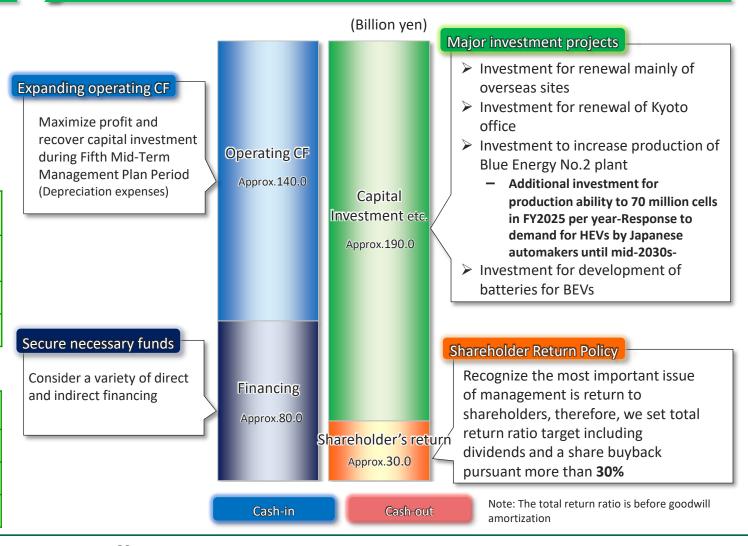
	FY2025 targets (Apr. 2025 – Mar. 2026)
Interest-bearing debt to operating cash flow ratio*1	Approx. 3 years
Total return ratio*2	30 % or more
Equity ratio	maintain 40 % or more

<sup>\*1</sup> Interest-bearing debts (including lease obligations) / operating cash flow

<sup>\*2</sup> The total return ratio for FY2025 is before goodwill amortization

	Sixth Mid-Term Management Plan 3-year total
Operating cash flow	¥140.0 bn
Investing cash flow	-¥190.0 bn
Free cash flow	-¥50.0 bn

#### **Capital Allocation (FY2023-2025)**



## 6. Medium-term Environmental Target (FY2023-2025)



Accelerate the reduction of environmental impact from our business activities and expand our contribution to the circular economy

Reduction of CO<sub>2</sub> emissions 15% or more (compared with FY2018)

- >Implementation of energy conservation measures through energy visualization
- ► In-house consumption of renewable energies through the introduction of solar power generation equipment
- > Replacement of old equipment with energy-saving equipment



Solar power generation facility of Ritto office

**Reducing water use** 

15% or more (compared with FY2018) Percentage of environmentally considered products in total sales

45% or more

Increasing usage rate of recycled lead

**70%** or more



Although this document has been prepared with information believed to be correct, GS Yuasa Corporation does not guarantee the accuracy or the completeness of such information. Also, the information herein contains forward-looking statements regarding the Company's plans, outlooks, strategies and results for the future. All the forward-looking statements are based on judgments derived from information available to the Company at the time of release. Certain risks and uncertainties could cause the Company's actual results to differ materially from any projections presented herein.





## Reference. Equity Financing for Growth



#### **Public Offerings and Parallel Third-Party Allotment**

Number of outstanding shares	80,599,442 shares > 100,446,442 shares (+19,847,000 shares)
Procurement funds	Approx. 39.6 Billion Yen

#### Overview of Parallel Third-Party Allotment

Allottee / Number of shares to be allotted

Honda Motor Co., Ltd. / 2,497,700 shares

Through the collaboration with Honda, build a solid supply chain of LiBs for BEVs in Japan

Contribute to broader use of BEVs in Japan and aim to enhance enterprise value

#### Collaborations with Honda

HEVs Area  Start of installation for Honda from FY 2011. Expand sales to other Japanese OEM Result: Approx. 2.7 million units (as of October 31st, 2023)

Production capacity (BEC):

Second half of FY2022 **50** million cells/year FY2025 **70** million cells/year

BEVs Area

- FY2023: "Honda GS Yuasa EV Battery R&D Co., Ltd."

  for the purpose of R&D of high-capacity, high-output LiBs, started the business from August
- FY2027 : Planning to start operation of production line

Production Capacity: FY2030 **20GWh/**year (GS Yuasa, Honda, BEC)

## Reference. Equity Financing for Growth





#### **Background and Rationale of Financing / Use of Proceeds**

1

Drastically changing external environment

Rapid growth in global demand for batteries to achieve carbon neutrality

2

Tipping point for transformation of the business portfolio

Entry into BEVs areas, by leveraging technological capabilities cultivated in HEVs areas

Allocating proceeds to strengthen balance sheet for further growth opportunities, as well as for capital expenditure and R&D investment in BEVs market expanding rapidly according to changes in the external environment and for capital expenditure in HEVs market, mid- to long-term growth drivers



Capital Expenditure in LiBs for BEVs



R&D investment in LiBs \*1 for BEVs and Next-gen Batteries



Capital Expenditure in LiBs for HEVs

Target: BEC

30.0 billion yen

Targets: Honda • GS Yuasa EV Battery R&D and GS Yuasa

8.0 billion yen

Target: BEC

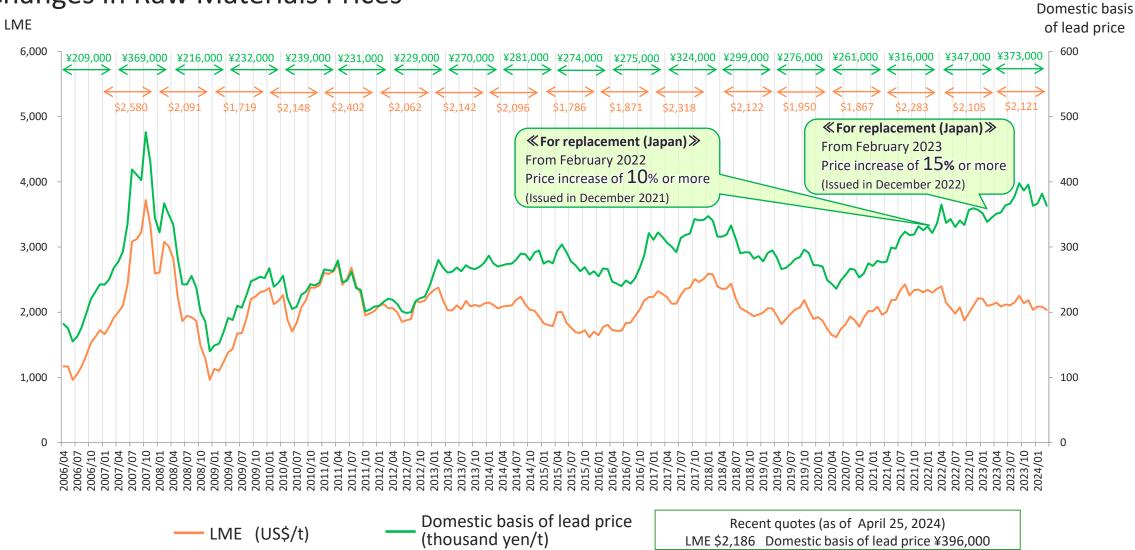
Allocating the remaining

Notes

1. Also used for ESS use

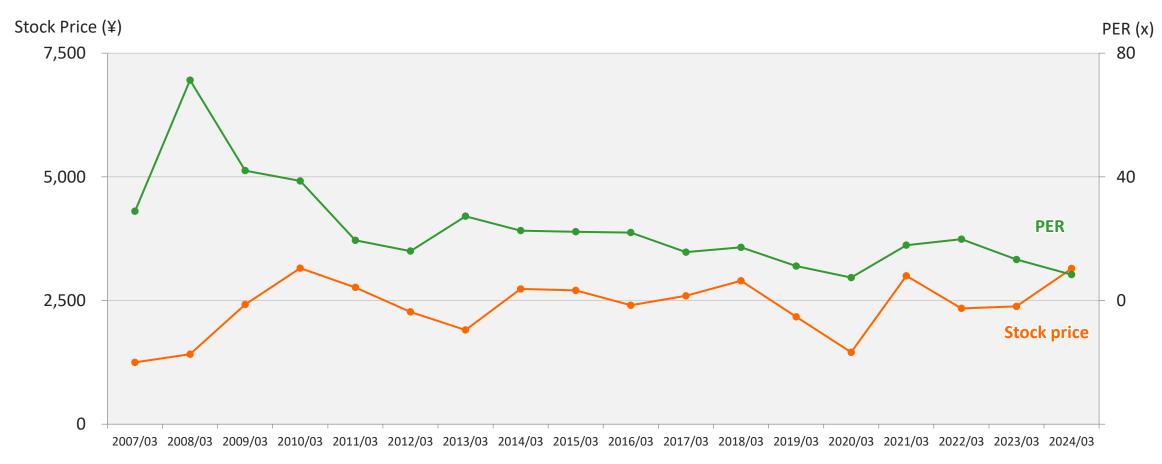


## Changes in Raw Materials Prices





## Changes in Stock Price, Price to Earnings Ratio (PER)



- Notes: 1. Closing price on the last trading day of March.
  - 2. PER is based on profit before amortization of goodwill.
  - 3. GS Yuasa carried out a five-to-one reverse stock split of its common stock upon changing the number of shares per trading unit from 1,000 to 100 shares (effective date Oct. 1, 2018), and Stock Price and PER take into account the share consolidation.



	Fiscal year	2019	2020	2021	2022	2023
Operating income ratio	(%)	6.1	7.0	5.5	6.2	7.5
Return on equity (ROE)	(%)	9.0	7.2	4.6	6.5	11.6
Return on invested capital (ROIC)	(%)	10.9	12.0	9.7	11.4	13.7
Earnings per share (EPS)	(¥)	195.92	167.72	118.02	179.47	376.31
Dividend per share	(¥)	50	50	50	50	70 (planned)
Purchase of treasury stock	(¥bn)	1.5	0.0	0.0	0.0	0.0
Total return ratio	(%)	34.9	29.8	42.4	27.9	20.6

	Fiscal year	2019	2020	2021	2022	2023
Total borrowings	(¥bn)	64.5	65.4	82.5	103.7	76.2
D/E ratio	(x)	0.42	0.41	0.50	0.55	0.34
Equity ratio	(%)	45.8	46.8	44.8	42.6	50.3
Debt to cash flow ratio	(year)	2.2	2.2	7.0	4.0	1.4

Notes: 1. The above indices for FY2016 onward are based on profit before amortization of goodwill (operating income, profit).

2. ROIC is calculated as follows: Invested capital (fixed assets [excl. goodwill amortization] + working capital) / Operating income before amortization of goodwill. Invested capital is the average of amount at beginning and end of term.



## Quarterly Results by Segment

(Billion yen)

		FY2022										F	Y2023	}					FY2024		<u> </u>				
	1 (Apr		20 (Jul-		3 (Oct	Q -Dec)	<b>4</b> - (Jan-	Q Mar)		Full (Apr-Mar)	)	1 (Apr			Q Sep)	3 (Oct-		<b>4</b> (Jan-		(	Full (Apr-Mar)			ear fore Apr-Mar)	ecast
	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	FRITDA	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	Net sales	Operati ng income (Op. income ratio: %)	EBITDA (EBITDA Margin:%)		Operati ng income (Op. income ratio: %)	EBITDA (EBITDA Margin:%)
Auto Japa moti n	17.7	1.0 (5.4)	20.0	0.8 (4.0)	25.5	2.5 (9.7)	24.7	2.3 (9.4)	87.8	6.5 (7.5)	9.2 (10.5)	19.6	1.0 (5.2)	21.5	1.1 (5.3)	27.8	3.0 (10.9)	25.2	2.9 (11.4)	94.0	8.1 (8.6)	10.9 (11.6)	100.0	8.0 (8.0)	-
Batt Over seas	60.0	3.0 (5.0)	61.9	3.1 (5.0)	65.1	4.1 (6.3)	60.4	3.1 (5.2)	247.3	13.3 (5.4)	20.1 (8.1)	58.4	2.8 (4.7)	67.1	4.8 (7.2)	65.2	5.8 (8.8)	62.2	1.8 (2.8)	252.9	15.1 (6.0)	22.6 (8.9)	259.0	16.5 (6.4)	-
Industrial Batteries and Power Supplies	17.0	-0.5 (-3.1)	22.5	1.1 (5.1)	26.4	2.7 (10.2)	31.7	5.3 (16.6)	97.6	8.5 (8.8)	10.2 (10.5)	17.9	0.2 (0.8)	21.6	1.2 (5.6)	34.2	5.1 (14.8)	35.9	6.7 (18.8)	109.7	13.2 (12.0)	15.1 (13.8)	120.0	13.0 (10.8)	-
Automoti ve Lithium- ion Batteries	12.4	0.4 (3.1)	15.0	-0.2 (△1.3)	17.9	0.8 (4.4)	20.1	1.0 (5.0)	65.4	2.0 (3.0)	6.1 (9.3)	19.5	0.4 (2.2)	21.1	0.3 (1.4)	22.4	1.7 (7.6)	21.8	0.2 (1.0)	84.8	2.6 (3.1)	7.5 (8.9)	90.0	4.0 (4.4)	-
Specialize d Batteries and Others	4.4	0.0 (0.2)	4.5	0.1 (2.9)	4.8	0.9 (19.7)	6.0	0.6 (9.6)	19.6	1.6 (8.4)		5.2	0.6 (10.9)	5.0	0.5 (9.7)	5.1	1.3 (25.5)	6.2	0.8 (13.7)	21.5	3.2 (14.9)	8.9 (41.4)	21.0	3.0 (14.3)	-
Total	111.4	3.8 (3.4)	123.8	4.9 (4.0)	139.7	11.0 (7.9)	142.9	12.3 (8.6)	517.7	32.1 (6.2)		120.5	4.9 (4.1)	136.3	8.0 (5.9)	154.8	16.9 (10.9)	151.3	12.4 (8.2)	562.9	42.2 (7.5)	65.0 (11.6)	590.0	44.5 (7.5)	67.5 (11.4)

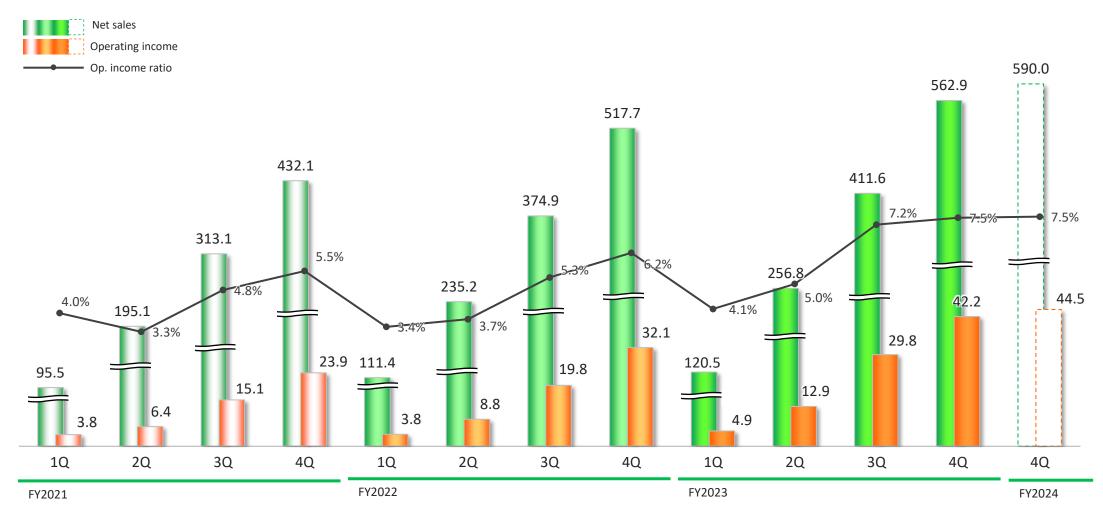
Note 1: Operating income is operating income before amortization of goodwill + depreciation.

2: Some consolidated subsidiaries in the "Industrial Batteries and Power Supplies" segment were transferred to the "Specialized Batteries and Others" segment from fiscal 2023. In conjunction with this change, figures for fiscal 2022 were restated according to the modified segments.



## Net Sales, Operating Income, Op. Income Ratio

(Billion yen)



Note: Operating income is operating income before amortization of goodwill and op. income ratio is op. income ratio before amortization of goodwill.



## **External ratings of sustainability activities**

#### Sustainability evaluations

(As of March 31, 2024)

	ESG rating by	ESG rating by FTSE		CSR ass by Toyo K		CDP (English)		
	MSCI (U.S.)*1	(English)*2	HR utilization	Environ- ment	Corporate governance	Sociality	assessments *4	
2024	BBB	3.8	AAA	AAA	AA	AA	A-	
2023	BBB	3.8	AAA	AAA	AA	AAA	A-	
2022	BBB	3.6	AA	AAA	AA	AA	A-	
2021	А	3.6	AAA	AAA	AA	AA	В	
2020	А	3.4	AA	AAA	AA	AA	В	

<sup>\*1:</sup> ESG rating of MSCI (U.S.) is done by Japan ESG Select Leaders Index and is seven-grade evaluation of AAA, AA, A, BBB, BB, B and CCC. (Rating Update : around June)

<sup>\*2:</sup> ESG rating of FTSE (English) is five-grade evaluation of 1, 2, 3, 4, 5. (Rating Update: around June)

<sup>\*3:</sup> Toyo Keizai Inc.'s CSR assessment is five-grade evaluation of AAA, AA, A, B and C. (Rating Update: around November)

<sup>\*4:</sup> CDP (English) is eight-grade evaluation of A, A-, B, B-, C, C-, D, D-. (Rating Update: around September)

# [Reference] Actual for FY2023 / Forecast for FY2024



	FY2023 Actual	FY2024 Forecast	Change (YoY%	(Billion yer [Refere 1st half Result (Apr 1) FY2023 1H Actual	rence] Ilt / Forecast - Sep.) FY2024 1H	
Net Sales	562.9	590.0	+27.1 (+4.89	++	Forecast 263.0	
Operating income (ratio)	41.6 7.4%	44.0 7.5%	+ <b>2.4</b> +0.1p (+5.89	5) 12.7 4.9%	13.0 4.9%	
Operating income before amortization of goodwill (ratio)	<b>42.2</b> 7.5%	44.5 7.5%	+2.3 +0.0p	12.9 5.0%	-	
Ordinary income	44.0	44.0	+0.0 (+0.0%	12.0	12.5	
Profit (ratio)	<b>32.1</b> 5.7%	26.0 4.4%	- <b>6.1</b> -1.3p (-18.9%	6.0 2.3%	6.0 2.3%	
Profit before amortization of goodwill (ratio)	<b>32.6</b> 5.8%	26.5 4.5%	- <b>6.1</b> -1.3p	6.2 2.4%	-	
EPS (Basic earnings per share) (¥/share)	¥369.74	¥259.21	-¥110.53	¥74.06	¥59.82	
Annual dividend (¥/share)	¥ <b>70</b> (Plan)	¥ <b>70</b> (Plan)	±¥0	¥15 (Interim)	¥20 (Interim)	
Total return ratio	20.6 %	26.5 %	+5.9 P	-	-	
ROE (Return on equity)	11.6 %	8.0 %	-3.6 P	-	-	
ROIC (Return on invested capital)	13.7 %	12.5 %	-1.2 P	-	-	
Domestic lead price quote	¥373,400 /t	¥372,000 /t	-¥1,400 /t	¥368,400 /t	¥372,000 /t	
LME	2,121 US\$/t	<b>2,200</b> US\$/t	+79 US\$/t	2,144 US\$/t	2,200 US\$/t	
Exchange rate	¥145.31 /US\$	¥145.00 /US\$	-¥0.31 /US\$	¥142.61 /US\$	¥150.00 /US\$	

Notes: 1. ROE and total return ratio are based on profit before amortization of goodwill.

<sup>2.</sup> ROIC is calculated as follows: Invested capital (fixed assets [excl. goodwill amortization] + working capital) / Operating income before amortization of goodwill. Invested capital is the average of amount at beginning and end of term.

## [Reference] FY2024 First Quarter Financial Results



(Billion yen)

						(Billion yen)							
		FY2023	3		FY2024		Charg	•	(YoY%)	[Refere	nce] Fore	cast for FY2024	
		Apr Jun			Apr Jun.		Charge	=	(101%)	1H (Apr S	ep.)	Full Year (Apr Mar.)	
Net sales		120.5		Record	127.6		+7.1		(+5.8%)	263.0		590.0	
Gross profit		25.8			28.4		+2.6			-		-	
Operating income (ratio)		4.8	4.0%	Record	6.2	4.8%	+1.4	+0.8p	(+27.9%)	13.0	4.9%	44.0	7.5%
Operating income before a	mortization of goodwill (ratio)	4.9	4.1%	Record	6.4	5.0%	+1.5	+0.9p		-		44.5	7.5%
Non-operating income	<u> </u>	1.7			2.2		+0.5			-		-	
Non-operating loss		1.6			1.7		+0.1			-		-	
Equity method investr	ment gains and losses	0.2			0.8		+0.6			-		-	
Ordinary income		4.9	4.1%	Record	6.7	5.2%	+1.8	+1.1p	(+35.5%)	12.5	4.8%	44.0	7.5%
Extraordinary income		0.4			0.0		-0.4			-		-	
Extraordinary loss		0.7			0.1		-0.6			-		-	
Profit before income taxes		4.7			6.7		+2.0			-		-	
Income taxes		1.5			0.8		-0.7			-		-	
Profit attributable to non-cor	ntrolling interests	1.5			1.1		-0.4			-		-	
Profit (ratio)		1.6	1.4%	Record	4.8	3.8%	+3.2	+2.4P	(+190.1%)	6.0	2.3%	26.0	4.4%
Profit before amortization of go	podwill (ratio)	1.7	1.4%	Record	4.9	3.9%	+3.2	+2.5p		-		26.5	4.5%
	e before amortization of goodwill perinflationary accounting)	-			6.8	5.3%	-			-		47.1	8.0%
EPS (Basic earnings per share) (	/share)	¥20.51			¥47.71		+¥27.2			¥59.82		¥259.21	
Cash Flow Statements	Depreciation	5.3			5.8		+0.5			-		-	
Casii Fiow Statements	Amortization of goodwill	0.1			0.1		+0.0			-		-	
Market Information /	Domestic lead price quote	¥356,000 /t			¥399,800 /	t	+¥43,800 /	t		¥372,000 /	t	¥372,000 /	/t
Prerequisites	LME	<b>2,118</b> U			<b>2,166</b> U		+48 US\$/t		2,200 US\$/t		2,200 US\$/t		
T Tel equisites	Exchange rate	¥139.63 /U	JS\$		¥158.24 /	US\$	+¥18.61 /	US\$		¥150.00 /	US\$	¥145.00 /	/US\$

Note: The amount of application of hyperinflationary accounting shown for reference is included in the FY2024 forecast for operating income as the same level as in FY2023.

## [Reference] Actual for FY2023 / Forecast for FY2024 (By Segment)



(Billion yen)

		FY2023 Actual		
			Net sales	Operating income (Op. income ratio: %)
Automotive	Japan		94.0	<b>8.1</b> (8.6)
Batteries	Overseas		252.9	<b>15.1</b> (6.0)
	atteries and Supplies		109.7	13.2 (12.0)
Automotive Lithi	um-ion Batteries		84.8	2.6 (3.1)
Specialized Batteries and Others			21.5	3.2 (14.9)
То	tal		562.9	<b>42.2</b> (7.5)

FY2024 Forecast						
Net sales	Operating income (Op. income ratio: %)					
100.0	<b>8.0</b> (8.0)					
259.0	<b>16.5</b> (6.4)					
120.0	13.0 (10.8)					
90.0	<b>4.0</b> (4.4)					
21.0	3.0 (14.3)					
590.0	<b>44.5</b> (7.5)					

Change								
Net sales	Operating income (Op. income ratio: pp)							
+6.0	- <b>0.1</b> (-0.6)							
+6.1	+1.4 (+0.4)							
+10.3	-0.2 (-1.2)							
+5.2	+1.4 (+1.3)							
-0.5	-0.2 (-0.6)							
+27.1	+2.3 (+0.0)							

#### Assumption of financial forecast (Apr. - Mar.)

- Sales will increase due to raw material and inflation effects, but pass-through will be limited
   Production of automobiles will increase partly due to increased demand for hybrid vehicles
   Regarding trends in lead price, LME is progressing stable but domestic lead prices remained high due to the impact of yen depreciation
- The yen continues to weaken against the U.S. dollar

<prerequisites></prerequisites>	FY2023 Actual	FY2024 Forecast	Change
Domestic lead price quote (¥10,000/t)	37.34	37.20	-0.14
LME (US\$/t)	2,121	2,200	+79
Exchange rate (¥/US\$)	145.31	145.00	-0.31

Note: Operating income is operating income before amortization of goodwill and operating income ratio is operating income ratio before amortization of goodwill.

## [Reference] FY2024 First Quarter Financial Results (By Segment)



(Billion yen)

			FY2 Apr		FY2 Apr	024 - Jun.	
			Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net s
Auto	motive	Japan	19.6	1.0 (5.2)	20.8	<b>1.6</b> (7.8)	,
Bat	tteries	Overseas	58.4	2.8 (4.7)	65.2	<b>4.8</b> (7.4)	
Ind		atteries and Supplies	17.9	<b>0.2</b> (0.8)	19.5	<b>0.9</b> (4.8)	
Aut		Lithium-ion eries	19.5	0.4 (2.2)	16.1	- <b>2.0</b> (-12.6)	
Spec		Batteries and ners	5.2	0.6 (10.9)	6.0	1.0 (16.9)	
	То	tal	120.5	4.9 (4.1)	127.6	<b>6.4</b> (5.0)	

Change						
Net sales	Operating income (Op. income ratio: pp)					
+1.2	+0.6 (+2.6)					
+6.8	+2.0 (+2.7)					
+1.6	+0.7 (+4.0)					
-3.4	- <b>2.4</b> (-14.8)					
+0.8	+0.4 (+6.0)					
+7.1	+1.5 (+0.9)					

10.0	1	[Reference]					
[Refer	encel	[Refer	renceJ				
FY2	024	Forecast f	Forecast for FY2024				
Apr. (before apply) hyperinflationa	olication of ary accounting)	Full Year (Apr Mar.)					
Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)				
20.8	1.6 (7.8)	100.0	8.0 (8.0)				
65.2	5.2 (8.0)	259.0	16.5 (6.4)				
19.5	0.9 (4.8)	120.0	13.0 (10.8)				
16.1	-2.0 (-12.6)	90.0	4.0 (4.4)				
6.0	1.0 (16.9)	21.0	3.0 (14.3)				
127.6	6.8 (5.3)	590.0	<b>44.5</b> (7.5)				

#### FY2024 1Q Result

- Sales increased due to the effects of price shifting mainly in automotive batteries, industrial batteries and power supplies
- > Automobile production slightly decreased due to plant shutdown of car manufacturers
- Net sales and profit both decreased due to the influence of raw material procurement scheme in automotive lithium-ion batteries
- ➤ LME is stable, but domestic lead price remains high due to yen depreciation
- > Despite the continued depreciation of the yen, foreign exchange intervention and interest rate hikes are still under uncertain

<market <br="" information="">Prerequisites&gt;</market>	FY2023 (Apr Jun.)	FY2024 (Apr Jun.)	Change
Domestic lead price quote (¥10,000/t)	35.60	39.98	+4.38
LME (US\$/t)	2,118	2,166	+48
Exchange rate (¥/US\$)	139.63	158.24	+18.61

[Reference] Forecast for FY2024
Full Year (Apr Mar.)
Tuli Teal (Apr War.)
37.2
2 200
2,200
145.00

Note: Operating income is operating income before amortization of goodwill and Op. income ratio is Op. income ratio before amortization of goodwill.