

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

> Capital 52.8 billion yen

Consolidated net sales 517.7 billion yen

Number of employees Group Consolidated 14,317 (As of March 31, 2023)

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



President and Representative Director

Osamu Murao

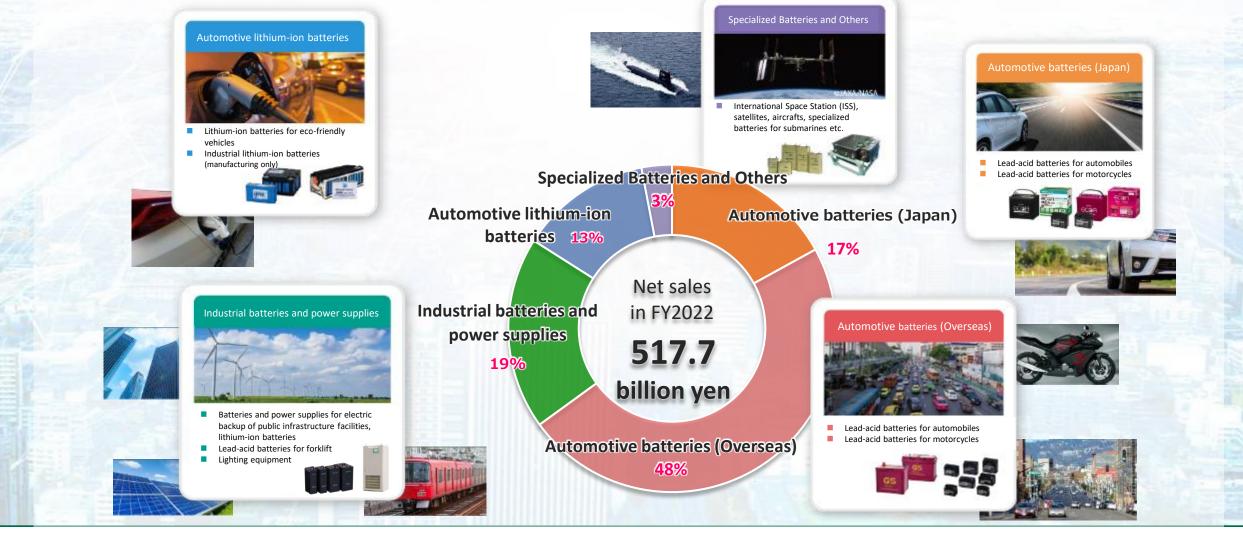


The Detroit electric vehicle imported from the USA by Genzo Shimadzu, founder of Japan Storage Battery Co., Ltd.

2. Business Areas



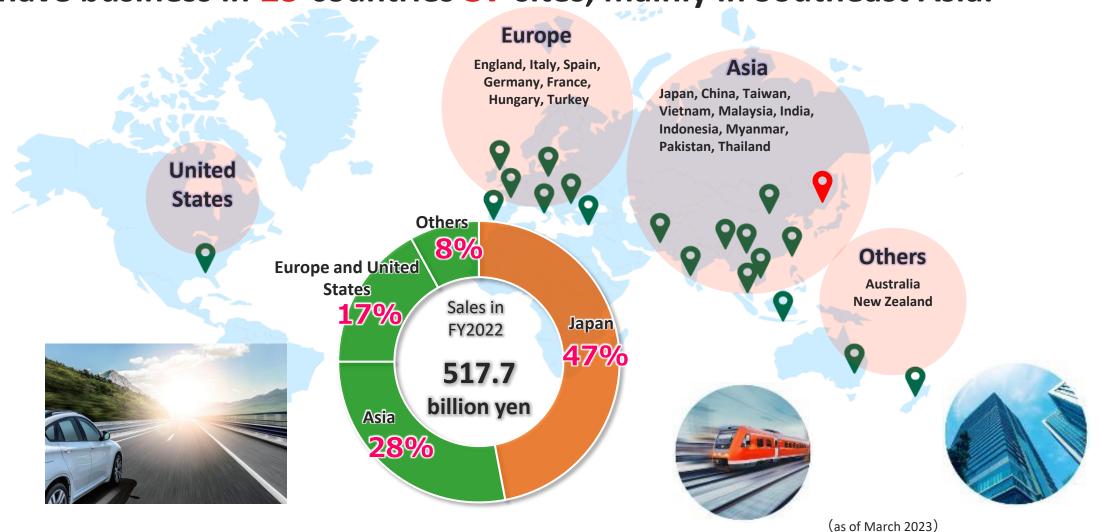
We have five business segments, starting with automotive.



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

promotion of clean energy

Honda "FIT HYBRID"

Contributing to electrification of Japanese automakers

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



TOYOTA "Harrier"

Support safety from deep sea to

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

1910s

1900s

Manufacture of large-capacity storage batteries for auxiliary power



of the automotive industry

Manufacture of automotive lead-acid batteries

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



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



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)

2. Business Environment surrounding GS Yuasa



Environment surrounding GS Yuasa

Mobility

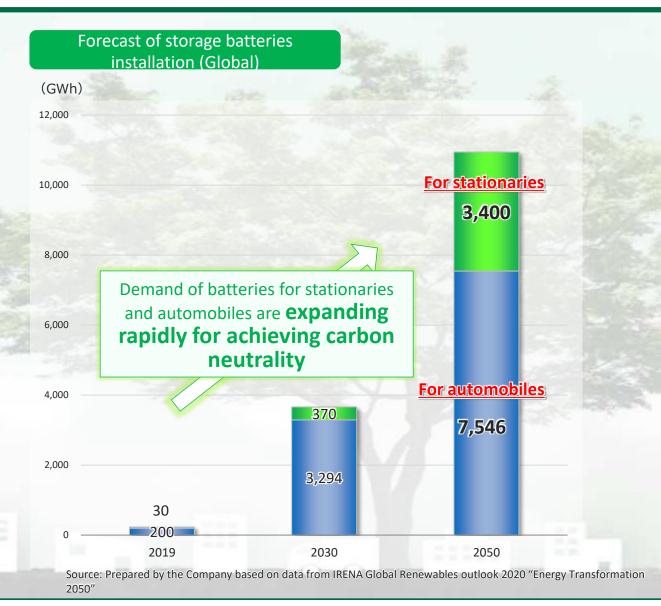
- Acceleration of electrification toward zero emissions
- Advancing levels of self-driving cars
- Acceleration of shift from ownership to use (e.g., car sharing)

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.

Reliable

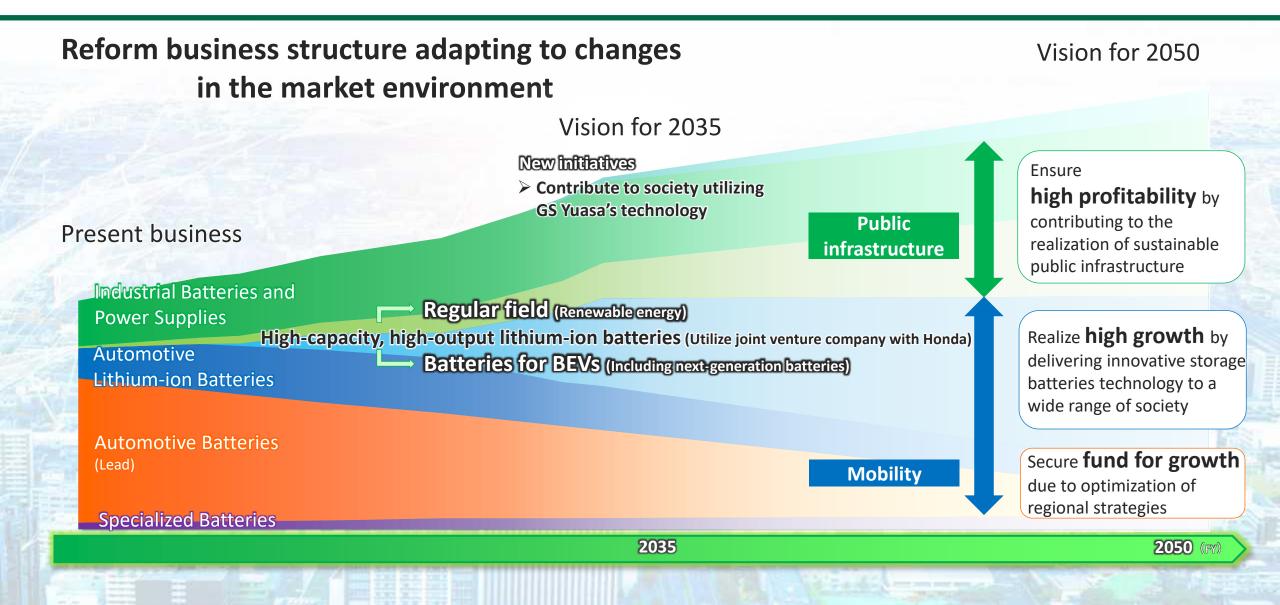
Committed to technical innovation and delivering solid, reliable energy.

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

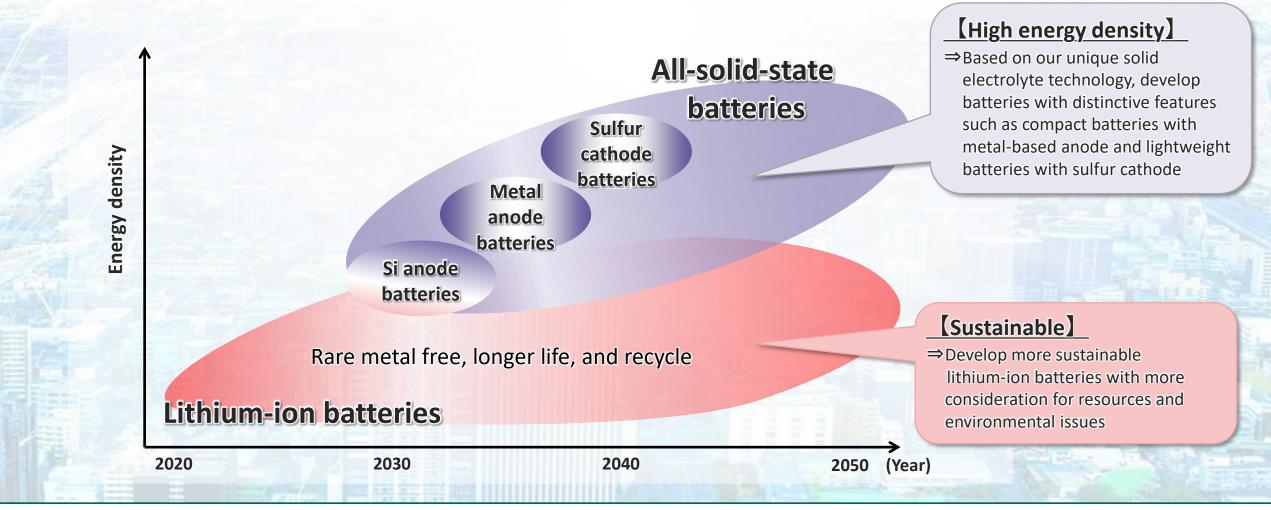
Expand presence in the growing regular field market

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)

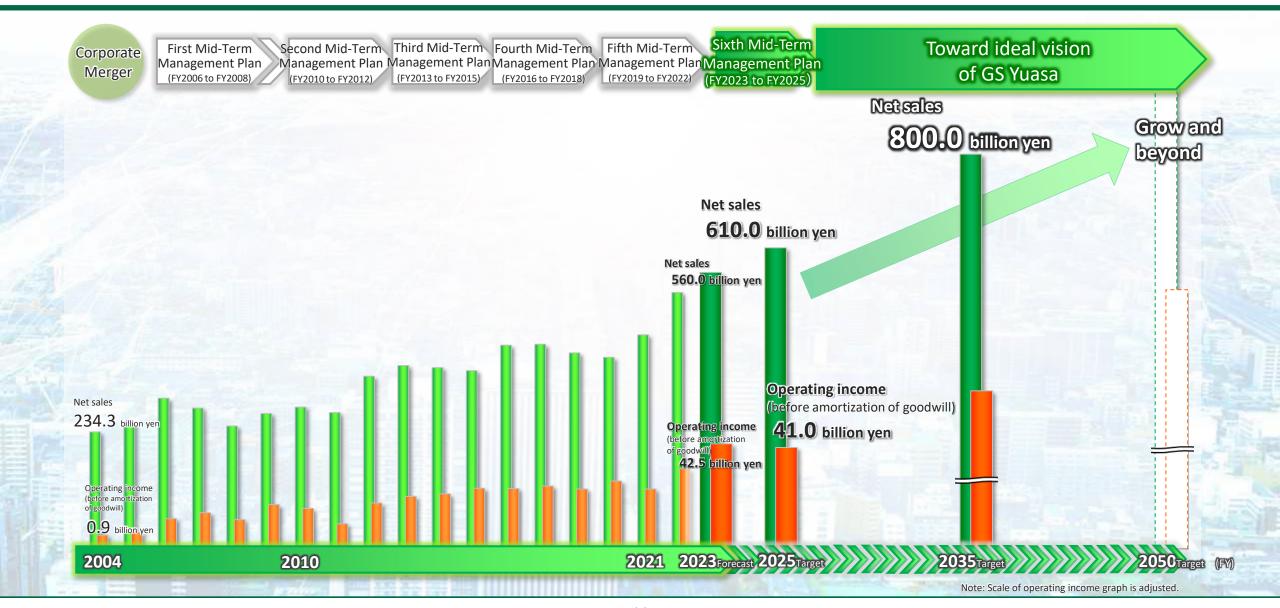


Contribute to the realization of carbon neutrality through research, development and commercialization of next-generation batteries



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



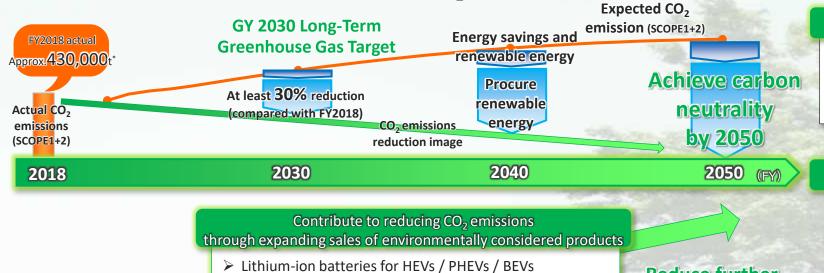


4. GY 2050 Carbon Neutrality Target



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

achieving Carbon Neutrality and reducing CO₂ emission by environmentally considered products



> Power conditioners / Industrial lithium-ion batteries etc.

Reduce further CO₂ emissions by products

Promote energy-saving measures

- ①Contribute to energy-saving equipment
- 2 Develop prescriptions for efficient charging methods and develop new ones

Promote of generating renewable energy

- ①Maximize introduction in all offices and plants in Japan and overseas
- ②Introduce own products (ESS, etc.) and conduct a demonstration experiment

Procure renewable energy

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

> Lead-acid batteries for ISS vehicles

Reducing CO₂

emissions by

products

FY2021 At least

8 million t

^{*} GS Yuasa Group's CO₂ emissions aggregation standards have been changed, and in FY2018, we are undergoing third-party verification again.

¹⁾ Recalculated using the 2018 emission coefficient obtained from the Ministry of the Environment and IEA

²⁾ 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. Management Targets



Management Plan Period

Three years from April 2023 to March 2026

Mid-Term Management Targets (targets for FY2025)

	Fifth Mid-Term Management Final Result (FY2022 Actual)	Sixth Mid-Term Management Target (FY2025 Target)	Change
Net sales	517.7 billion yen	610.0 billion yen	+17.8 %
Operating income	32.1 billion yen	41.0 billion yen	+27.7 %
ROE (Return on equity)	6.5 %	8 % or more	+1.5 %
ROIC (Return on invested capital)	11.4 %	10 % or more	-
Total return ratio	27.9 %	30 % or more	+2.1 %
Domestic lead price quote	347,000 yen/t	342,000 yen/t	-
LME	2,105 US\$/t	2,000 US\$/t	-
Exchange rate	136 yen/US\$	140 yen/US\$	-

[Reference] FY2023 Forecast
560.0 billion yen
42.5 billion yen
-
-
26.6 %
381,000 yen/t
2,200 US\$/t
145 yen/US\$

Notes:1. ROE is based on net income before the amortization of goodwill, and ROIC is relative to operating income before the amortization of goodwill.

^{2.} ROIC is calculated as operating income before amortization of goodwill, etc. ÷ invested capital (fixed assets (excluding goodwill, etc.) + working capital). Invested capital is the average of the beginning and end of the period.

3. Segment Results



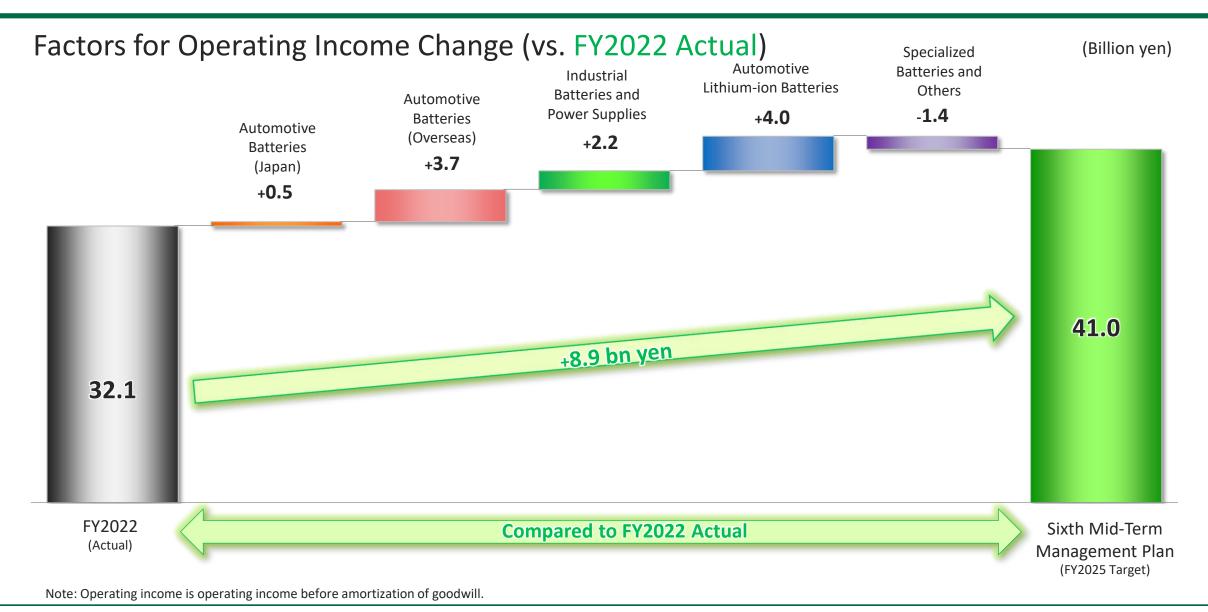
(Billion yen)

			022 :ual		FY2025 Target		Change		[Reference] FY2023 Project	
		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)
Automotive	Japan	87.8	6.5 (7.5)	100.0	7.0 (7.0)	+12.2	+ 0.5 (-0.5)		95.0	7.0 (7.4)
Batteries	Overseas	247.3	13.3 (5.4)	240.0	17.0 (7.1)	-7.3	+3.7 (+1.7)		247.0	17.5 (7.1)
Industrial Batteries and Power Supplies		99.2	8.8 (8.9)	140.0	11.0 (7.9)	+40.8	+2.2 (-1.0)		110.0	11.0 (10.0)
Automotive Lithium-ion Batteries		65.4	2.0 (3.0)	110.0	6.0 (5.5)	+44.6	+4.0 (+2.5)		88.0	4.5 (5.1)
Specialized Batteries and Others		18.0	1.4 (7.7)	20.0	0.0	+2.0	-1.4 (-)		20.0	2.5 (12.5)
Total		517.7	32.1 (6.2)	610.0	41.0 (6.7)	+92.3	+8.9 (+0.5)		560.0	42.5 (7.6)

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

3. Segment Results (Changes of FY2022 Actual and Sixth Mid-Term Management Plan Target)





3. Segment Results and Strategies (Automotive Batteries (Japan))



Automotive Batteries (Japan)

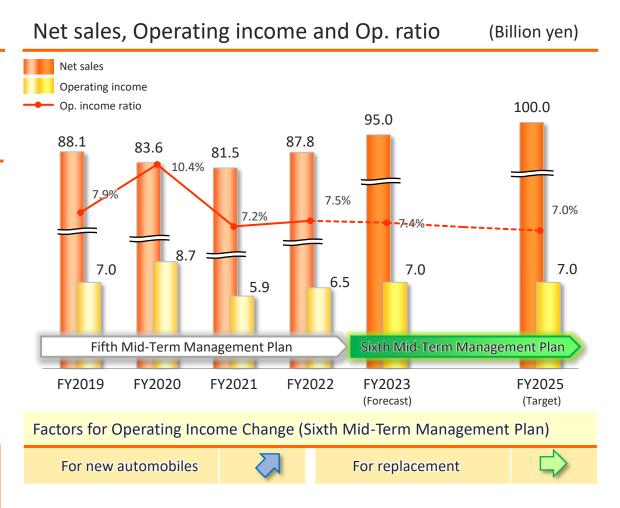
Business Policy

Build an optimal supply system in response to change of business environment and improve profit rate

Strategies and Important Tasks

- > [Production]
 - Establish supply system that enables both rapid response to demand fluctuations and inventory reduction
- > [Sales For new automobiles]
 - Improve profit ratio due to optimal price revision such as raw material prices
- [Sales For replacement]
 - · Rebuilt marketing strategies and maintain high market share
 - Improve efficiency utilizing IoT and DX

Strengths • Technology and quality cultivated by response to new automobiles • Brand (domestic No.1 share) • Expand market of high value-added products • Cost competition due to commoditization • Rising costs due to response to environment



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

3. Segment Results and Strategies (Automotive Batteries (Overseas))



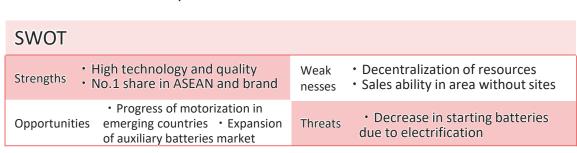
Automotive Batteries (Overseas)

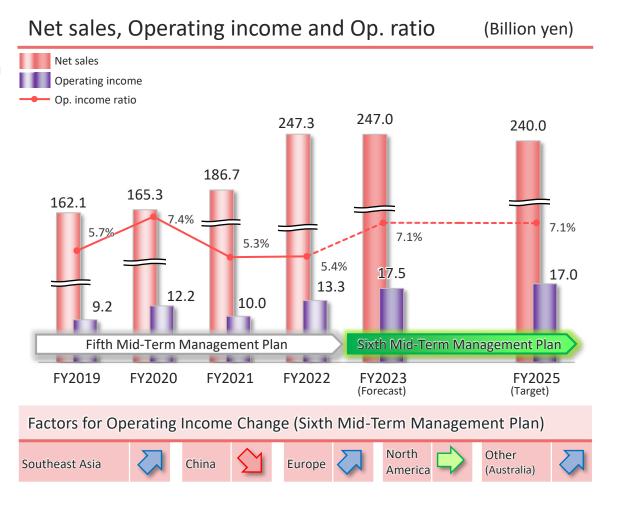
Business Policy

Reform management structure for the future by selection and concentration and strengthen profitability

Strategies and Important Tasks

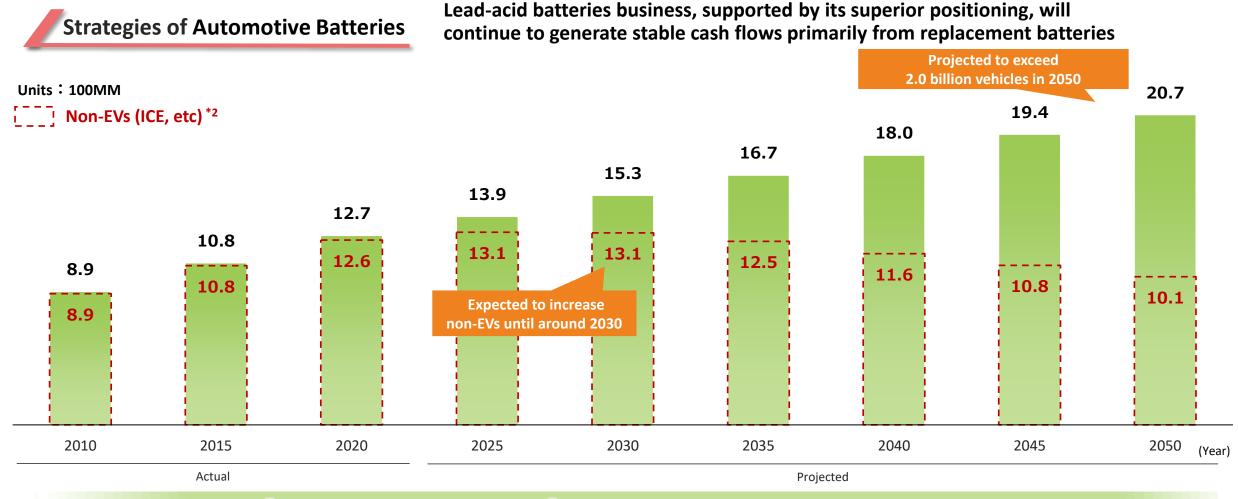
- > [Southeast Asia]
 - Maximize profit by strengthening sales in ASEAN area
- ➤ [China] Promote fundamental review of business
- ➤ [Europe] Supply steadily to Europe utilizing Turkish site and expand sales to the Middle and Near East or North Africa
- ➤ [Other (Australia)] Strengthen production base and expand market share of replacement batteries





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





[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 10th Oct, 2023)

3. Segment Results and Strategies (Industrial Batteries and Power Supplies)



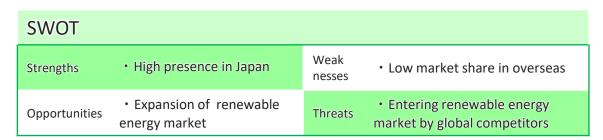
Industrial Batteries and Power Supplies

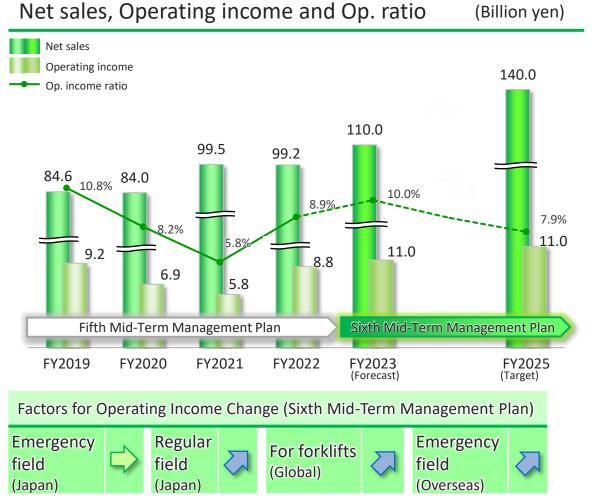
Business Policy

Building a business foundation to capture the growth of the next generation

Strategies and Important Tasks

- > [Emergency field (Japan)]
 - Expand our remote monitoring services
 - Maximize profit by utilizing unparalleled superiority
- > [Regular field (Japan)]
 - Setting the stage for a second pillar of business
- > [Emergency field (Overseas)]
 - Strengthen competitive ability by expanding product lineup





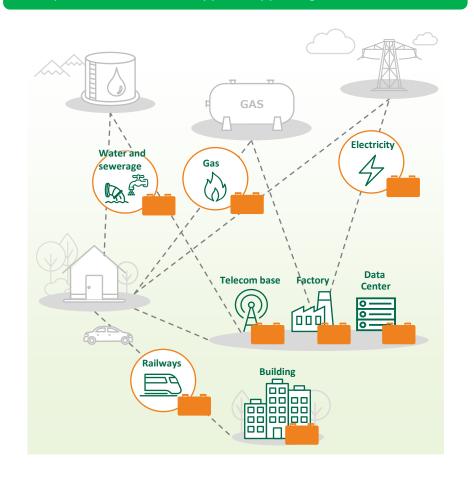
3. Segment Results and Strategies (Industrial Batteries and Power Supplies)

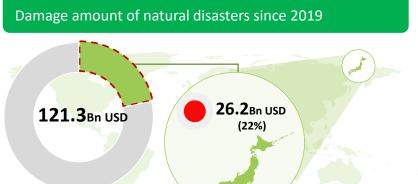


Strategies of Emergency Field

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





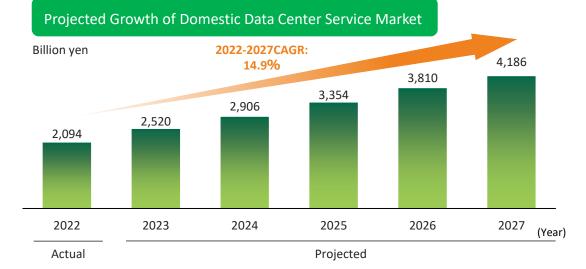
Expected

Demand Growth

for backup business for

National Resilience

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



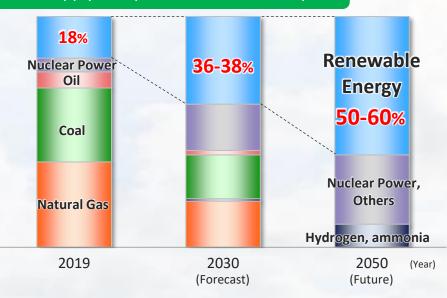
Source: Prepared by us based on data from IDC Japan "Domestic Data center service market forecast, 2023 - 2027"

3. Segment Results and Strategies (Industrial Batteries and Power Supplies)





Power Supply Composition Forecast in Japan



Source: Agency for Natural Resources and Energy, "Considerations for Achieving Carbon Neutrality in 2050" and "The Sixth Energy Basic Plan"

FY2023 Estimated Budget for Renewable Energies

- Project to accelerate the introduction of renewable energy Budget request through the introduction of grid storage batteries, etc. and rationalization of the power distribution network, etc.
 10.0 billion yen
- Subsidy to promote demand-side-led introduction of solar power generation

Growing importance of storage batteries

For achieving carbon neutrality in 2050, the importance of energy storage systems (ESS) is increasing.

Subsidies related to renewable energies are expanding on the demand-side, grid connection, etc.

Utilize expanding opportunities

Regular field

Increase capacity approx. 3 times

(compared to FY2022)

(Capacity target approx. 300MWh)

Sixth Mid-term Management Plan Period (FY2023-25)



Strengthen competitive ability and improve customer satisfaction

Promote development

of PCS with

large capacity

Container-integrated ESS (Energy Storage Systems)

Storage batteries
 +Remote monitoring service
 (STARELINK Service)

Establish all-in-one business

All-in-one business
 by using storage batteries
 +remote monitoring service
 +PCS with large capacity

16.5 billion ven



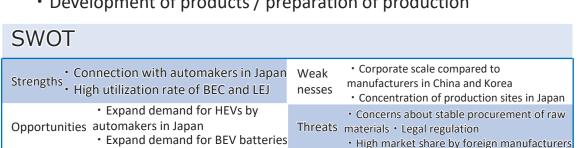
Automotive Lithium-ion Batteries

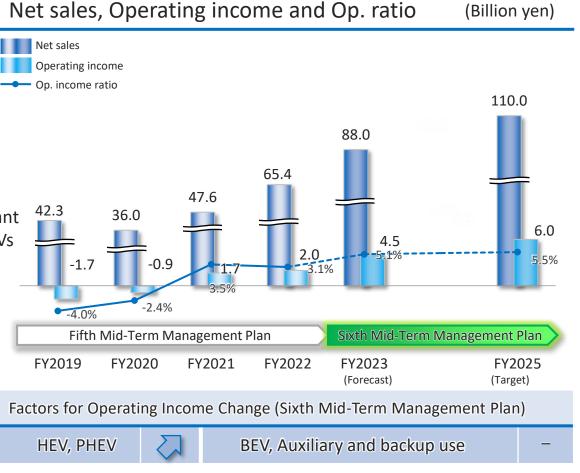
Business Policy

Achieve sustainable growth in the lithium-ion battery business by taking carbon neutrality and government targets as opportunities

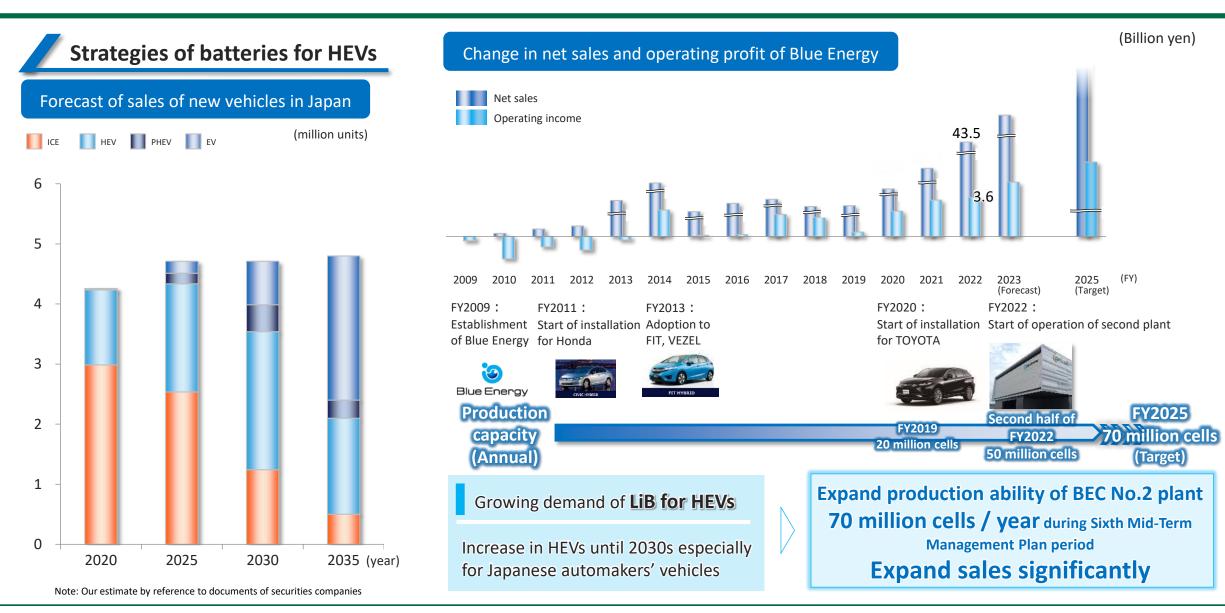
Strategies and Important Tasks

- ➤ [HEV. PHEV]
 - Improve yield rate and plant utilization rate
 - Establish further increasing production system of Blue Energy No.2 plant
 - Strengthen development and production systems of batteries for PHEVs
- > [BEV] Strengthen development systems of batteries for BEVs
 - Prepare for entering market of batteries for BEVs
- > [Auxiliary and backup use]
 - Development of products / preparation of production





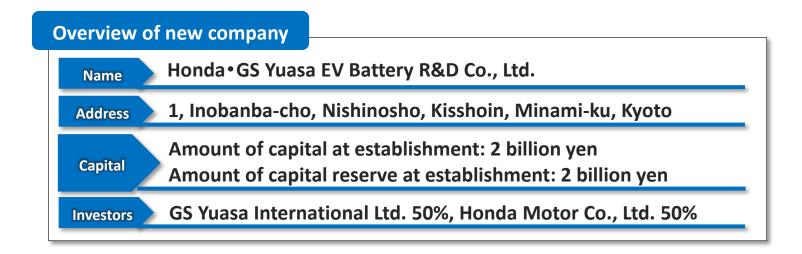






Regarding the Signing of a Joint Venture Agreement to Establish New Company, Honda • GS Yuasa EV Battery R&D Co., Ltd.

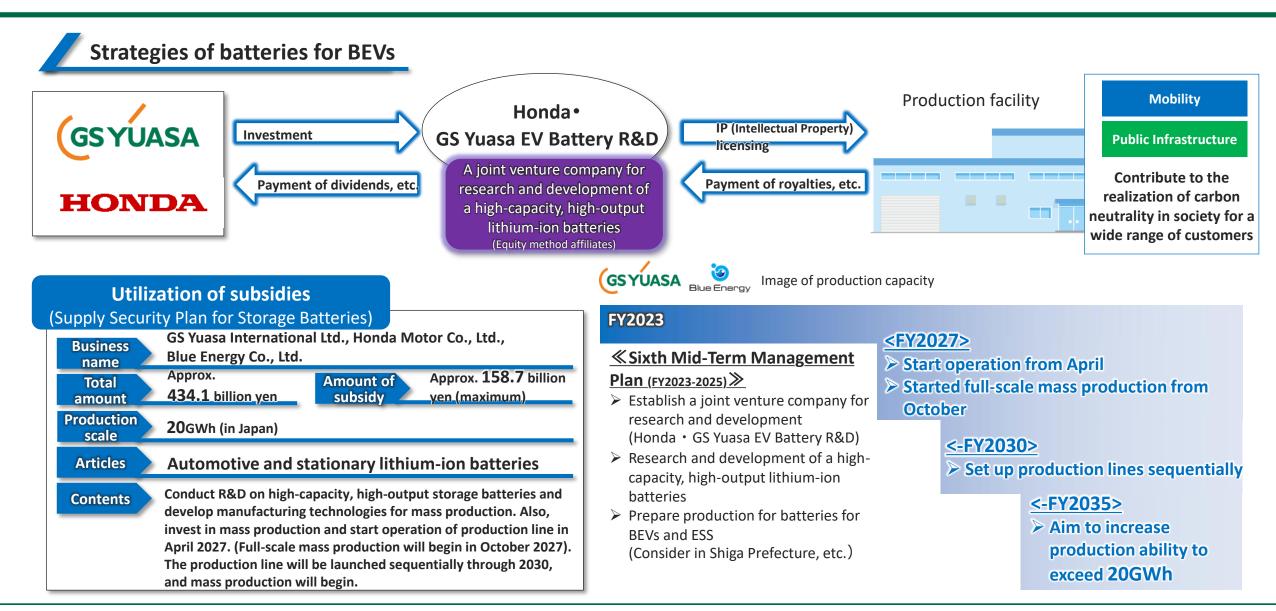




A broad scope of collaborations

- > Research and development of a high-capacity, high-output lithium-ion battery, primarily for EV use, and the required production methods
- > Establishment and management of intellectual properties including patents related to the joint research and development
- > Planning for products that utilize technologies resulting from the joint research and development, and planning for the required sales channels
- > Designing of an efficient production operation including the supply chain for key raw materials





3. Segment Results and Strategies (Specialized Batteries and Others)



Specialized Batteries and Others

Business Policy

Contribute to the building of new public infrastructure through batteries with the highest level of performance and quality

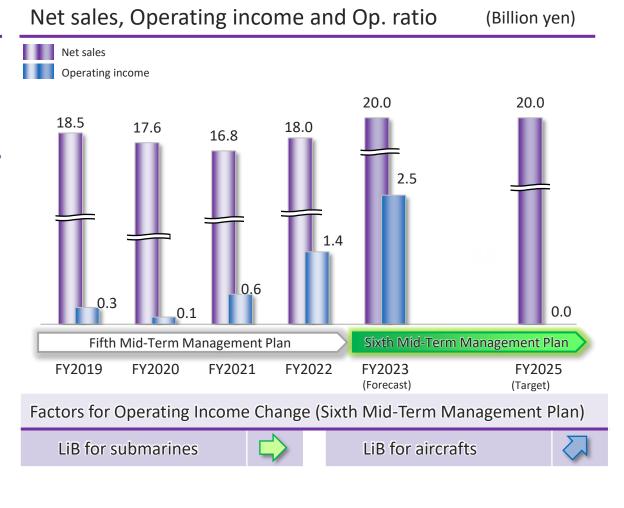
Strategies and Important Tasks

- > [Specialized batteries business]
 - Improve profitability due to efforts to strengthen the foundation of the defense industry
 - Development of next-generation LiB for submarines
 - Response to expand sales of LiB for aircrafts
 - Expand sales of LiB for satellites

> [Others]

- Increase in environmental response costs
- Increase in costs for DX and creation of new business.

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



4. 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)

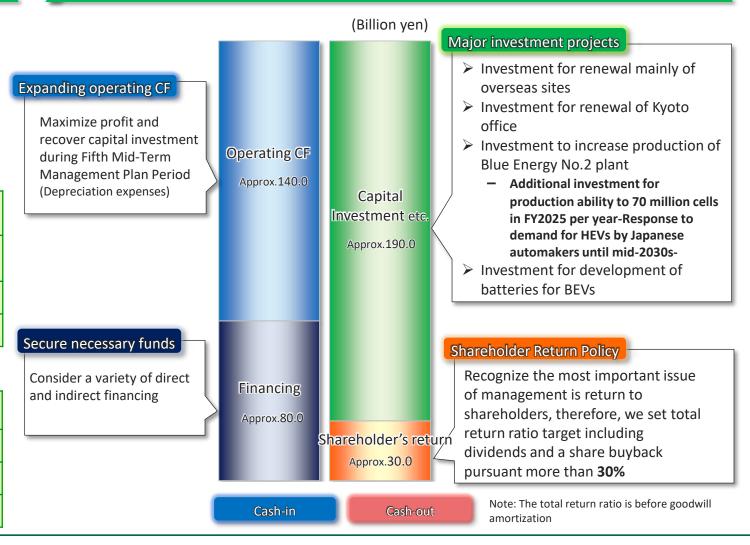
	FY2025 targets (Apr. 2025 – Mar. 2026)
Interest-bearing debt to operating cash flow ratio*1	Approx. 3 years
Total return ratio*2	30 % or more
Equity ratio	maintain 40 % or more

^{*1} Interest-bearing debts (including lease obligations) / operating cash flow

^{*2} 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)



4. Financial Policy and Capital Allocation (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)

4. Financial Policy and Capital Allocation (Background and Rationale of Financing / Use of Proceeds) (GS)



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

5. 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 CO₂ 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.







External ratings of Sustainability activities

Sustainability evaluations

(As of September 30, 2023)

	ESG rating by	ESG rating by FTSE			by Toyo Keizai Inc.*3		CDP (English)
	MSCI (U.S.)*1	(English)*2	HR utilization	Environ- ment	Corporate governance	Sociality	assessments *4
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
2019	А	3.2	AA	AA	AA	AA	В

^{*1:} 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)

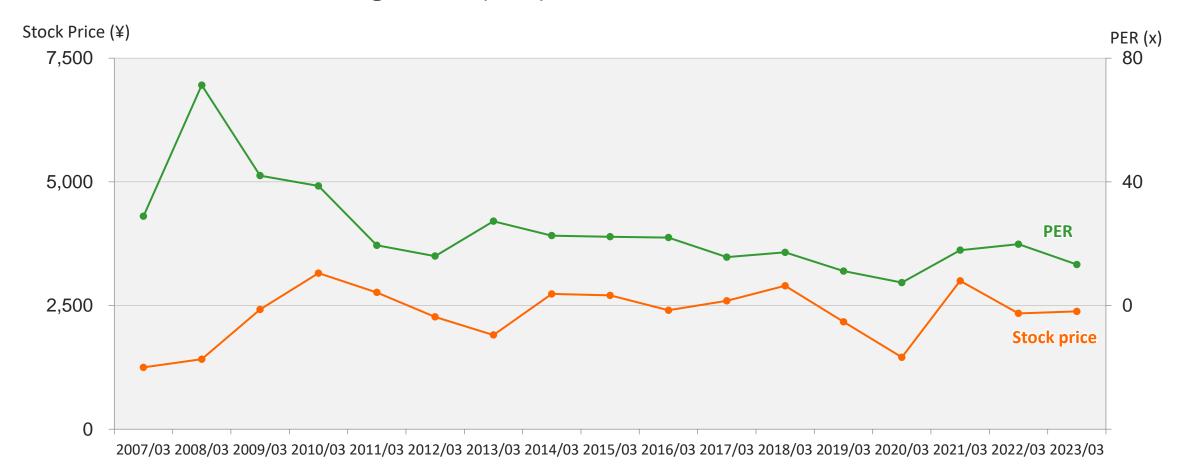
^{*2:} ESG rating of FTSE (English) is five-grade evaluation of 1, 2, 3, 4, 5. (Rating Update: around June)

^{*3:} Toyo Keizai Inc.'s CSR assessment is five-grade evaluation of AAA, AA, A, B and C. (Rating Update: around November)

^{*4:} CDP (English) is eight-grade evaluation of A, A-, B, B-, C, C-, D, D-. (Rating Update: around September)



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	2018	2019	2020	2021	2022
Operating income ratio	(%)	6.1	6.1	7.0	5.5	6.2
Return on equity (ROE)	(%)	9.0	9.0	7.2	4.6	6.5
Return on invested capital (ROIC)	(%)	11.3	10.9	12.0	9.7	11.4
Earnings per share (EPS)	(¥)	194.58	195.92	167.72	118.02	179.47
Dividend per share	(¥)	50	50	50	50	50
Purchase of treasury stock (amount planned for the next fiscal year)	(¥bn)	1.4	1.5	0.0	0.0	0.0
Total return ratio	(%)	34.3	34.9	29.8	42.4	27.9
	Fiscal year	2018	2019	2020	2021	2022
Total borrowings	(¥bn)	66.9	64.5	65.4	82.5	103.7
D/E ratio	(x)	0.42	0.42	0.41	0.50	0.55
Equity ratio	(%)	46.4	45.8	46.8	44.8	42.6
Debt to cash flow ratio	(year)	2.2	2.2	2.2	7.0	3.7

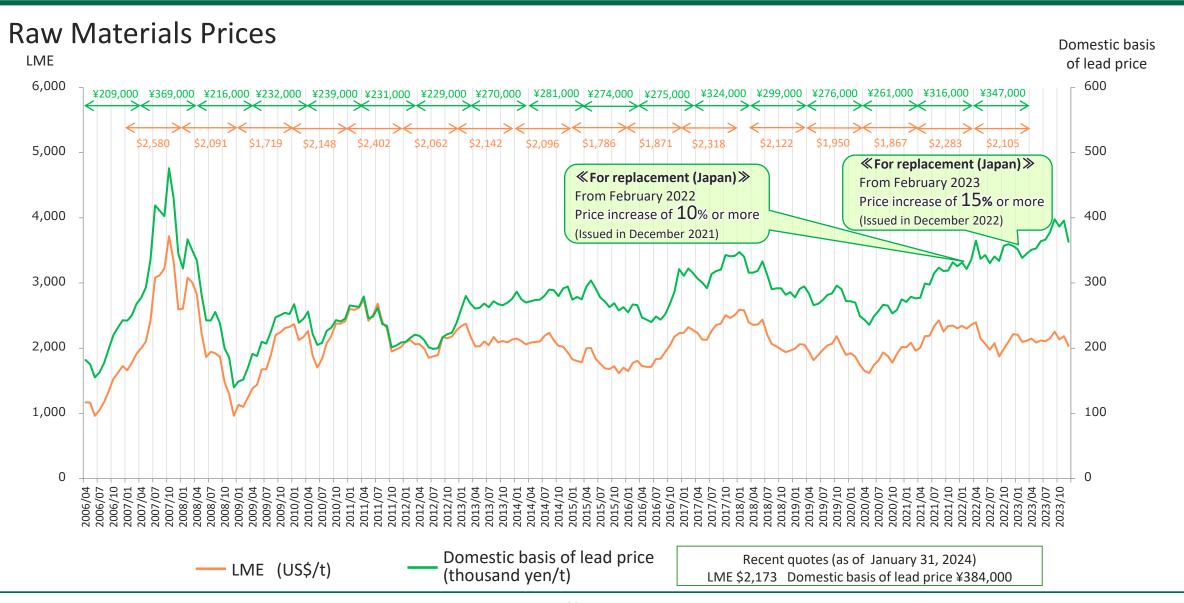
Notes: 1. The above indices for FY2016 onward are based on profit before amortization of goodwill (operating income, profit).

^{2.} ROIC is calculated as follows: Operating income before amortization of goodwill ÷ invested capital (fixed assets [excl. goodwill amortization]

⁺ working capital). Invested capital is the average of amount at beginning and end of term.

^{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 EPS and Dividend per share take into account the share consolidation.







Quarterly Results by Segment

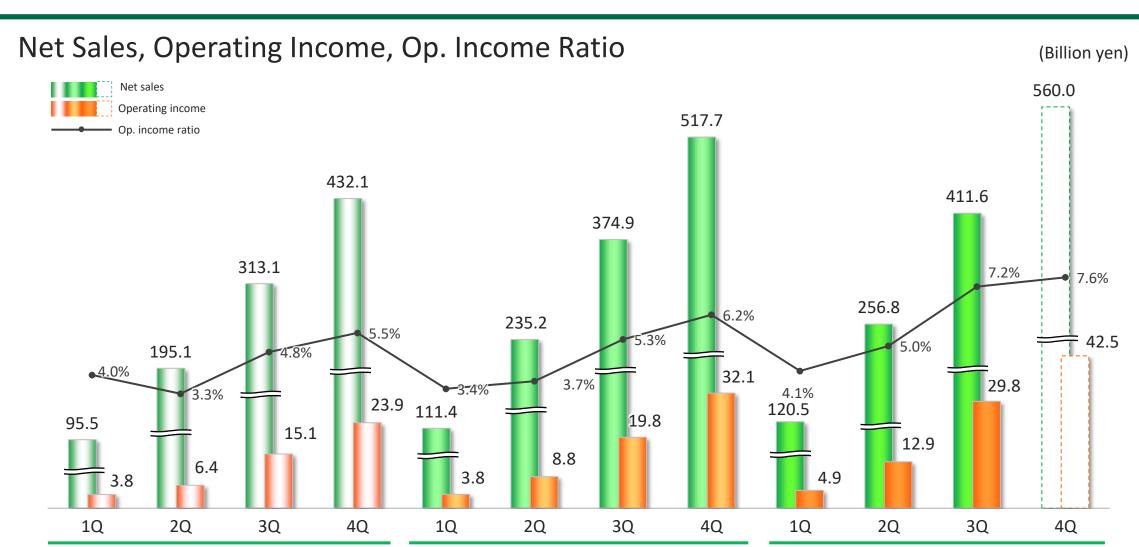
(Billion yen)

		FY2022							FY2023														
		1Q (Apr-Jun)		2Q (Jul-Sep)		3Q (Oct-Dec)		4Q (Jan-Mar)		Full (Apr-Mar)		1Q (Apr-Jun)		2Q (Jul-Sep)		3Q (Oct-Dec)		4Q (Jan-Mar)		Full-year Forecast (Apr-Mar)			
		Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	EBITDA (EBITDA Margin:%)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	(Op.	EBITDA (EBITDA Margin:%)
Auto motiv	Japan	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)	-	-	95.0	7.0 (7.4)	-
Batte ies	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)	-	-	247.0	17.5 (7.1)	-
Batt and	strial eries Power plies	17.0	-0.5 (-3.1)	22.5	1.1 (5.1)	26.4	2.7 (10.2)	32.1	5.3 (16.5)	99.2	8.8 (8.9)	10.6 (10.6)	17.9	0.2 (0.8)	21.6	1.2 (5.6)	34.2	5.1 (14.8)	-	-	110.0	11.0 (10.0)	-
Lithiu	motive m-ion eries	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)	-	-	88.0	4.5 (5.1)	-
Batt	alized eries Others	4.4	0.0 (0.2)	4.5	0.1 (2.9)	4.4	0.9 (19.7)	5.6	0.5 (9.6)	18.0	1.4 (7.7)	7.1 (39.4)	5.2	0.6 (10.9)	5.0	0.5 (9.7)	5.1	1.3 (25.5)	-	-	20.0	2.5 (12.5)	-
То	tal	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)	53.0 (10.2)	120.5	4.9 (4.1)	136.3	8.0 (5.9)	154.8	16.9 (10.9)	-	-	560.0	42.5 (7.6)	64.5 (11.5)

Note 1 : Operating income is operating income before amortization of goodwill and Op. income ratio is Op. income ratio before amortization of goodwill. EBITDA 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 in fiscal 2023. In conjunction with this change, figures for 3rd quarter of fiscal 2022 were restated according to the modified segments.

FY2021





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

FY2022

FY2023

[Reference] Forecast for FY2023



			, (E	Billion yen)
	FY2022	FY2023	Change	(YoY%)
	Actual	Forecast	ŭ	
Net Sales	517.7	560.0	+42.3	(+8.2%)
Operating income	31.5	42.0	+10.5	(+33.3%)
(Operating income ratio)	6.1%	7.5%	+1.4P	
Operating income before amortization of goodwill	32.1	42.5	+10.4	
(Operating income ratio before amortization of goodwill)	6.2%	7.6%	+1.4P	
Ordinary income	24.2	38.0	+13.8	(+57.0%)
Profit	13.9	21.0	+7.1	(+51.1%)
(Profit ratio)	2.7%	3.8%	+1.1P	
Profit before amortization of goodwill	14.4	21.5	+7.1	
(Profit ratio before amortization of goodwill)	2.8%	3.8%	+1.0P	
Domestic lead price quote	¥346,600/t	¥381,000/t	+¥34,400/t	
LME	\$US 2,105/t	\$US 2,200/t	+\$US 95/t	
Exchange rate	¥136.00/\$US	¥145.00/\$US	+¥9.00/\$US	
Dividend	50 yen/share	60 yen/share (plan)	+10 yen/share	
Purchase of treasury stock (amount planned for the next fiscal year)	-	-	-	
Total return ratio	27.9%	26.6%	-1.3p	
ROE (return on equity)	6.5%	-	-	
Return on invested capital (ROIC)	11.4%	-	-	

Notes

^{1.} ROE and total return ratio 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.

[Reference] FY2023 Third Quarter Financial Results



(Billion yen)

	FY2022 Apr Dec.		Y2023 r Dec.	Change	(YoY%)	[Reference] Forecast for FY2023 (Estimated for Feb. 2024)
Net sales	374.9	Record	411.6	+36.7	(+9.8%)	560.0
Gross profit	81.5		93.1	+11.6		-
Operating income	19.0	Record	29.4	+10.4	(+54.7%)	42.0
(Operating income ratio)	5.1%		7.1%	+2.0P		7.5%
Operating income before amortization of goodwill	19.8	Record	29.8	+10.0		42.5
(Operating income ratio before amortization of goodwill)	5.3%		7.2%	+1.9P		7.6%
Ordinary income	16.1	Record	29.0	+12.9	(+80.3%)	38.0
Extraordinary income	1.6		3.7	+2.1		-
Extraordinary loss	0.5		3.8	+3.3		-
Profit before income taxes	17.2		28.9	+11.7		-
Income taxes	5.7		6.1	+0.4		-
Profit attributable to non-controlling interests	3.6		5.1	+1.5		-
Profit	7.8	Record	17.7	+9.9	(+126.0%)	21.0
(Profit ratio)	2.1%		4.3%	+2.2P		3.8%
Profit before amortization of goodwill	8.6	Record	18.1	+9.5		21.5
(Profit ratio before amortization of goodwill)	2.3%		4.4%	+2.1P		3.8%
Domestic lead price quote (¥10,000/t)	34.71		37.29	+2.58		38.1
LME (US\$/t)	2,093		2,136	+43		2,200
Exchange rate (¥/US\$)	136.85		143.78	+6.93		145.00

[Reference] Forecast for FY2023 (By Segment)



(Billion yen)

			022		023	Change		
		Act	ual	Fore	cast			
		Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: pp)	
	Japan	87.8	6.5	95.0	7.0	+7.2	+0.5	
Automotive		07.0	(7.5)	33.0	(7.4)	.,,	(-0.1)	
Batteries	Overseas	247.3	13.3	247.0	17.5	-0.3	+4.2	
		217.0	(5.4)	217.0	(7.1)	0.5	(+1.7)	
Industrial Batteries and		99.2	8.8	110.0	11.0	+10.8	+2.3	
Power Supplies		33.2	(8.9)	110.0	(10.0)	120.0	(+1.1)	
Automotive Lithium-ion		65.4	2.0	88.0	4.5	+22.6	+2.5	
Batte	eries	05.4	(3.0)	00.0	(5.1)	122.0	(+2.1)	
Specialized Batteries and		18.0	1.4	20.0	2.5	+2.0	+1.1	
Others		18.0	(7.7)	20.0	(12.5)	+2.0	(+4.8)	
Total		F17.7	32.1	F.C.O. O.	42.5	42.2	+10.4	
		517.7	(6.2)	560.0	(7.6)	+42.3	(+1.4)	

Assumption of financial forecast (Apr. – Mar.)

- > Production of automobiles is expected to increase due to mitigation of semiconductor shortage
- Regarding trends in lead price, LME is progressing stable but domestic lead prices are expected to remain high due to the impact of yen depreciation (LME:2, 093US\$/t \Rightarrow 2,136US\$/t, Domestic basis of lead price:¥347,000/t \Rightarrow ¥373,000/t)
- ➤ Regarding foreign exchanges, the yen is expected to continue to weaken (¥136.85/US\$ ⇒ ¥143.78/US\$)
- > Continue to revise selling price due to rising raw material price, etc.

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

[Reference] FY2023 Third Quarter Financial Results (By Segment)



(Billion yen)

		FY2		FY2		Cha	inge	[Ref
		Apr	Operating income (Op. income ratio: %)	Apr	Operating income (Op. income ratio: %)	Net sales	Operating income (Op. income ratio: pp)	(Estimated Net sales
Automotive	Japan	63.1	4.2 (6.7)	68.9	5.2 (7.6)	+5.8	+1.0 (+0.9)	95.0
Batteries	Overseas	186.9	10.2 (5.5)	190.7	13.4 (7.0)	+3.8	+3.2 (+1.5)	247.0
Industrial Batteries and Power Supplies		65.9	3.3 (5.0)	73.7	6.4 (8.7)	+7.8	+3.1 (+3.7)	110.0
Automotive Lithium-ion Batteries		45.2	1.0 (2.2)	62.9	2.4 (3.9)	+17.7	+1.4 (+1.7)	88.0
Specialized Batteries and Others		13.6	1.1 (7.9)	15.4	2.4 (15.4)	+1.8	+1.3 (+7.5)	20.0
Total		374.9	19.8 (5.3)	411.6	29.8 (7.2)	+36.7	+10.0 (+1.9)	560.0
	EW2222 8	Dec Bee It						

[Reference] Forecast for FY2023						
(Estimated for Feb. 2024)						
Net sales	Operating income (Op. income ratio: %)					
95.0	7.0 (7.4)					
247.0	17.5 (7.1)					
110.0	11.0 (10.0)					
88.0	4.5 (5.1)					
20.0	2.5 (12.5)					
560.0	42.5					

FY2023 Apr. - Dec. Result

- > Production of automobiles increased due to the recovery of the supply chain
- ➤ Regarding trends in lead price, LME is progressing stable but domestic lead prices remained high due to the impact of yen depreciation (LME:2,093US\$/t in FY2022⇒2,136US\$/t, domestic basis of lead price:¥347,000/t in FY2022⇒¥373,000/t)
- The yen continues to weaken against the U.S. dollar (¥136.85 /US\$ in FY2022⇒¥143.78 /US\$)

Note 1 : Operating income is operating income before amortization of goodwill and operating income ratio is operating income ratio before amortization of goodwill.
2 : 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 3rd quarter of fiscal 2022 were restated according to the modified segments.

(7.6)