

Investors' Guide 2021



GS Yuasa Corporation (TSE : 6674)





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1. About GS Yuasa



Corporate profile



Corporate name	GS Yuasa Corporation		
Establishment	April 1, 2004		
Head office	1, Inobanba-cho, Nishinosho, Kisshoin, Minami-ku	, Kyoto	
Capital stock	33.0 billion yen		
Net sales(FY2021)	432.1 billion yen	Pres He joined Japan S 1982. He was	
Number of employee	Group Consolidated 13,571 (as of March 31,2022)	Industrial Batte director in addition and Production Te as President o	
Listed-Financial Instruments Exchange	Tokyo Stock Exchange (TSE : 6674)	supervising th management, Management	



President Osamu Murao

He joined Japan Storage Battery (currently GS Yuasa) in April 1982. He was in charge of Quality Control, Technology, Industrial Batteries and Power Supplies business unit as a director in addition to his business experience in Manufacturing and Production Technology Departments. After being appointed as President of the Company in June 2015, he has been supervising the Group as CEO and guiding the business management, by directing the formulation of Mid-Term Management Plans and demonstrating leadership for accomplishing them.

Philosophy 🔪

Innovation and Growth

We are committed to people, society and the global environment through innovation and growth of our employees and business entities.



Creating the Future of Energy

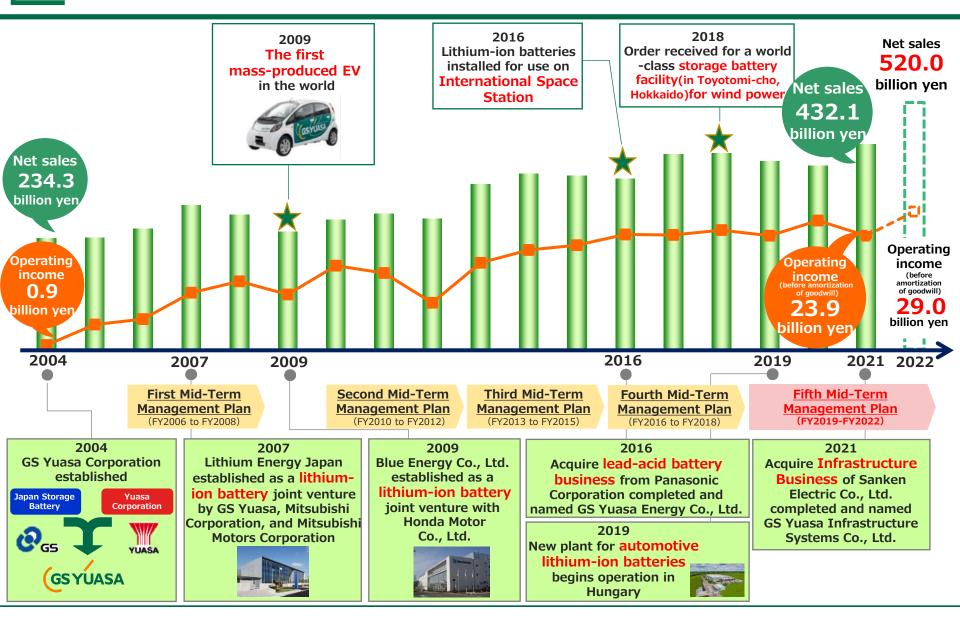


Management Vision 🥆

We are committed to delivering security and comfort to our customers around the globe through advanced technologies developed in the field of stored energy solutions.

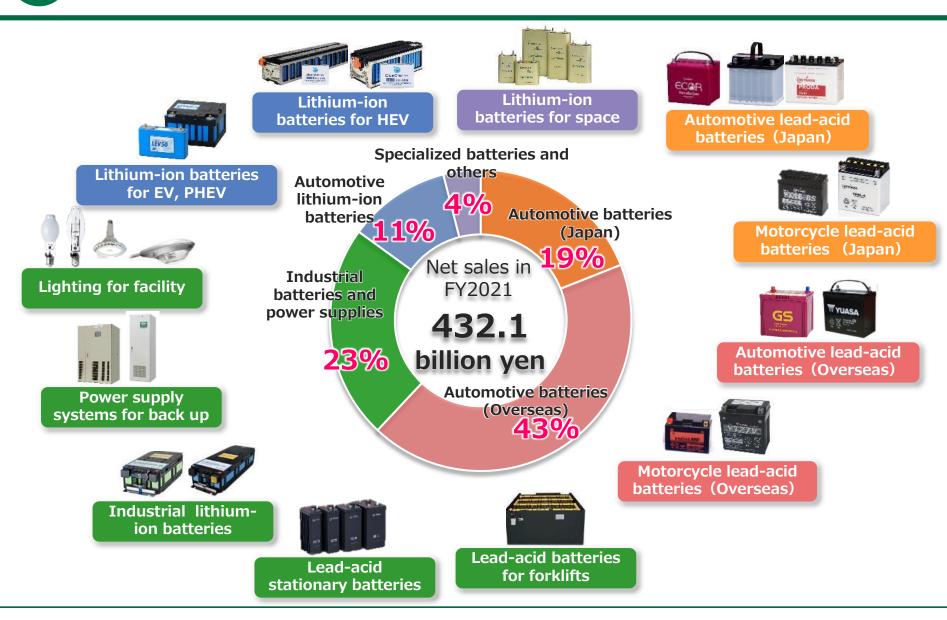
History after corporate merger



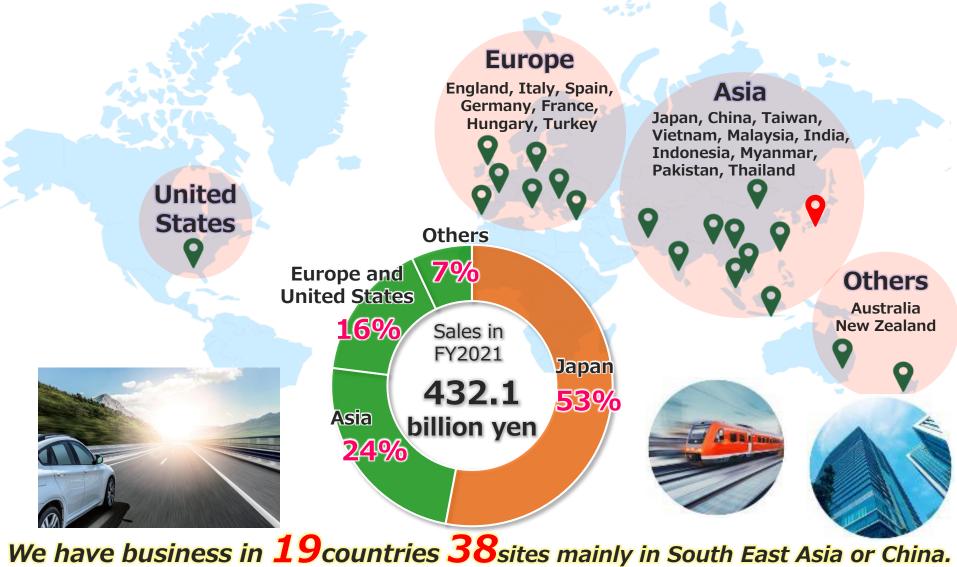


The latest sales breakdown and main products





The latest sales ratio by regions and global network (GSYUASA



(as of November, 2021)





Technology and development

- Develop various products used for deep sea to space
- \checkmark Provide products with high performance such as batteries for ISS vehicles
- ✓ Researched and developed lithium-ion batteries from 1980s and mass produced lithium-ion batteries for EVs in the world for the first time in 2009





GS Yuasa brand

- \checkmark GS Yuasa brand has top class market share both in Japan and the world
- $\checkmark\,$ Customer base built by history of the company for over 100 years



✓ Utilize 100 service sites or more in Japan (Industrial batteries and power supplies business)

Suggest the best batteries for customers in 4,000 dealers or more in Japan (Automotive batteries business)

 \checkmark Utilize global sites with a focus on South East Asia or China



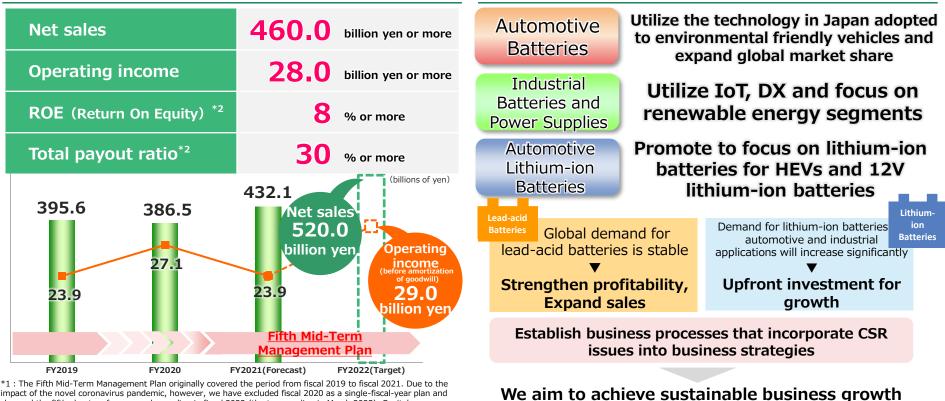




Mid-Term Management Policy(FY2019~FY2022)

To engage in strategic corporate activities that lead to sustainable growth in both the lead-acid batteries business and lithium-ion batteries business through the creation of new value based on the concept of "Mono-Koto Zukuri (product and service creation)."

Mid-Term Management Target(FY2022^{*1})



impact of the novel coronavirus pandemic, however, we have excluded fiscal 2020 as a single-fiscal-year plan and changed the fifth plan to a four-year plan ending in fiscal 2022 (the term ending in March 2023). Capital investment is currently being examined.

*2 : The above indices are based on profit attributable to owners of parent before amortization of goodwill

and contribute to the sustainable development of society

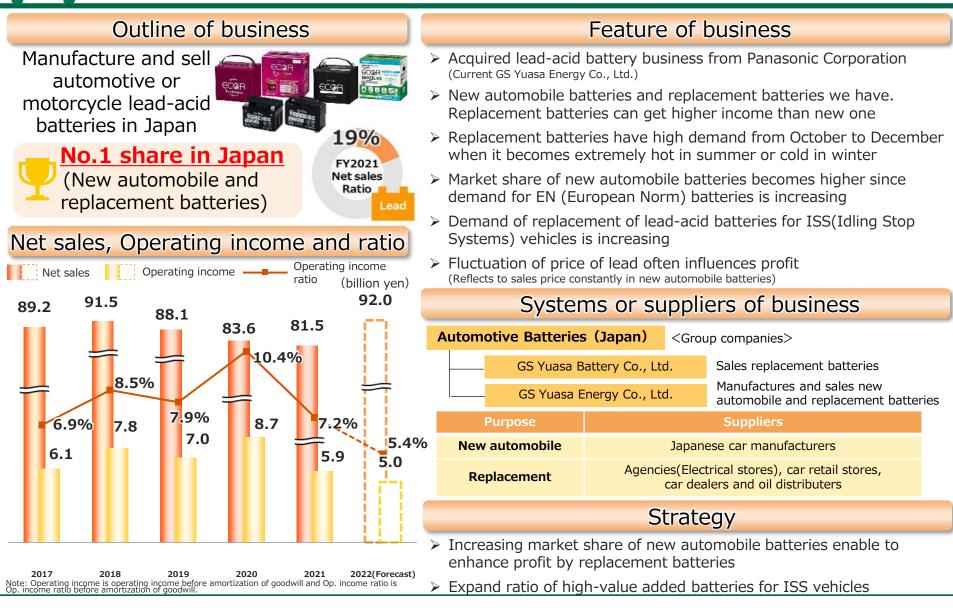
Points of Mid-Term Management Plan



2. About our business

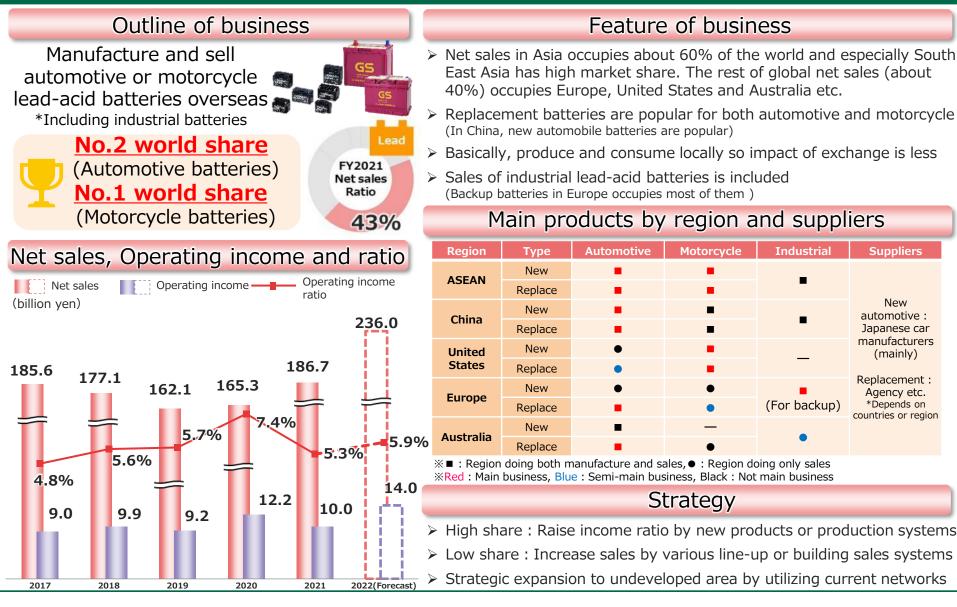
Overview of Automotive Batteries (Japan)





Overview of Automotive Batteries (Overseas)

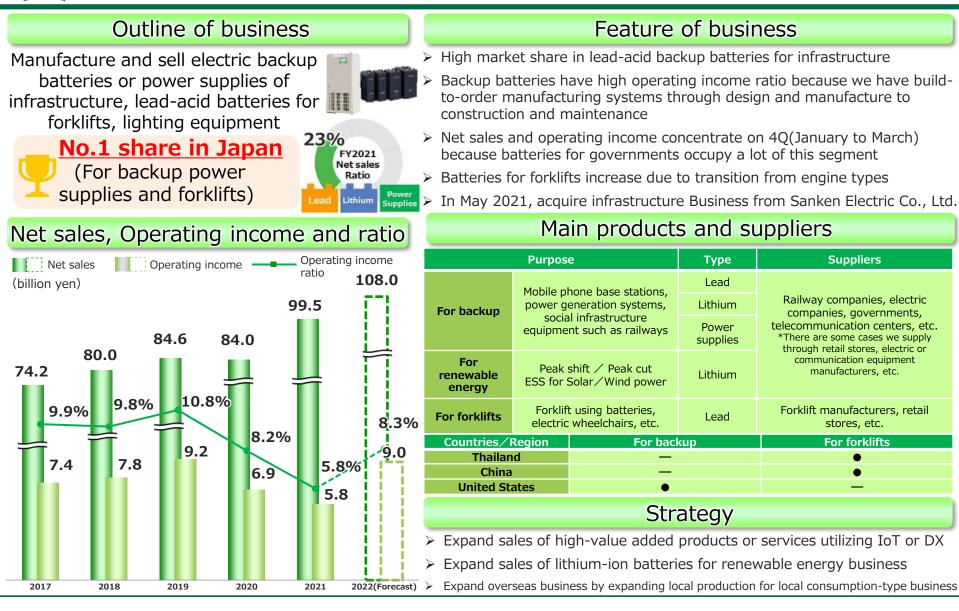




Overview of Industrial Batteries and Power Supplies (GS)

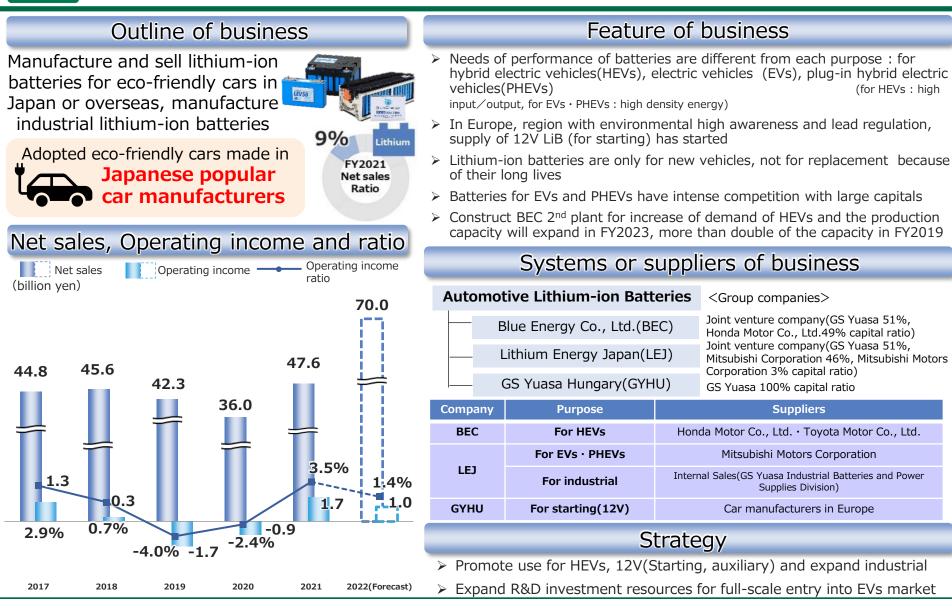
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Overview of Automotive Lithium-ion Batteries

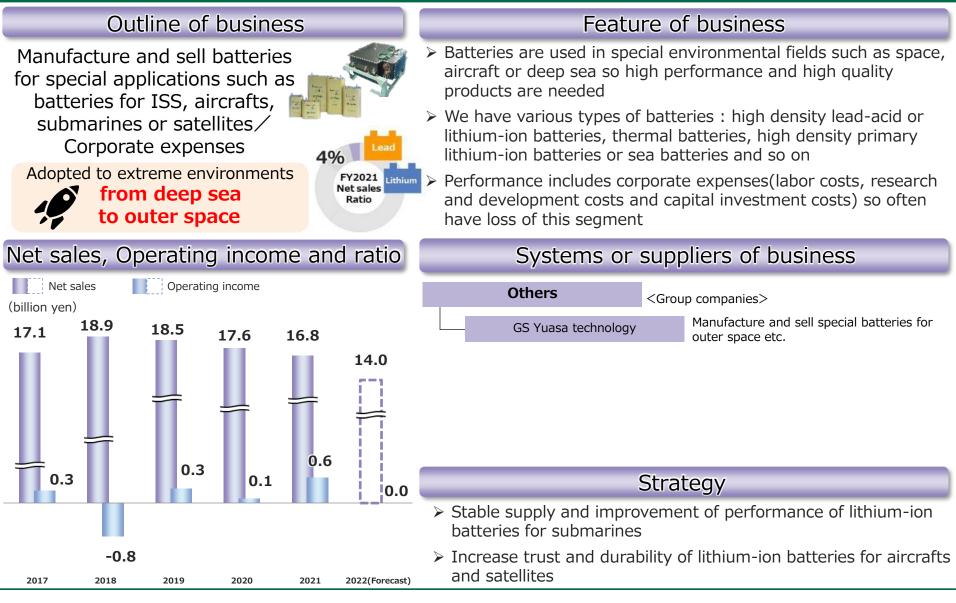






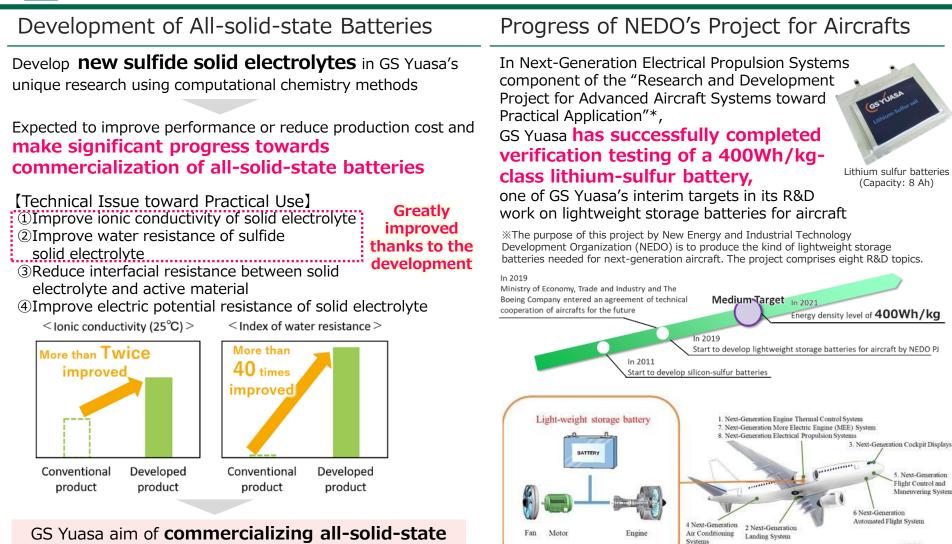
Overview of Specialized Batteries and Others











batteries starting with specialized batteries before the end of the 2020s

5. Next-Generation Flight Control and

ONEDO

1 to 7 are existing Research and Development Topics under the "Research and Development Project for Advanced Aircraft Systems toward Practical Application"

Research and Development Topic 8: Next-Generation Electrical Propulsion Systems

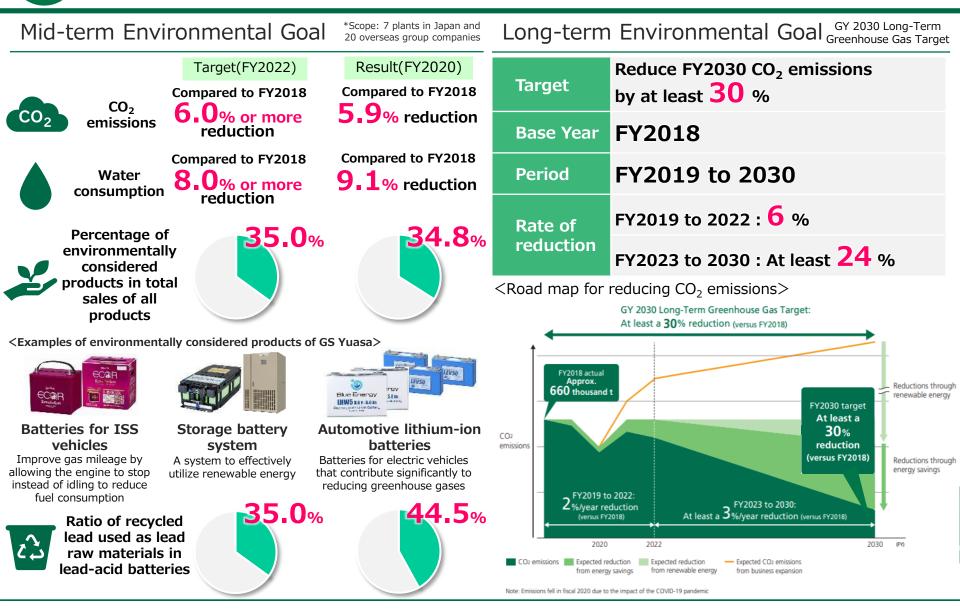
*Topic 8 was added to the project in FY2019



3. ESG initiatives

ESG initiatives : Environments

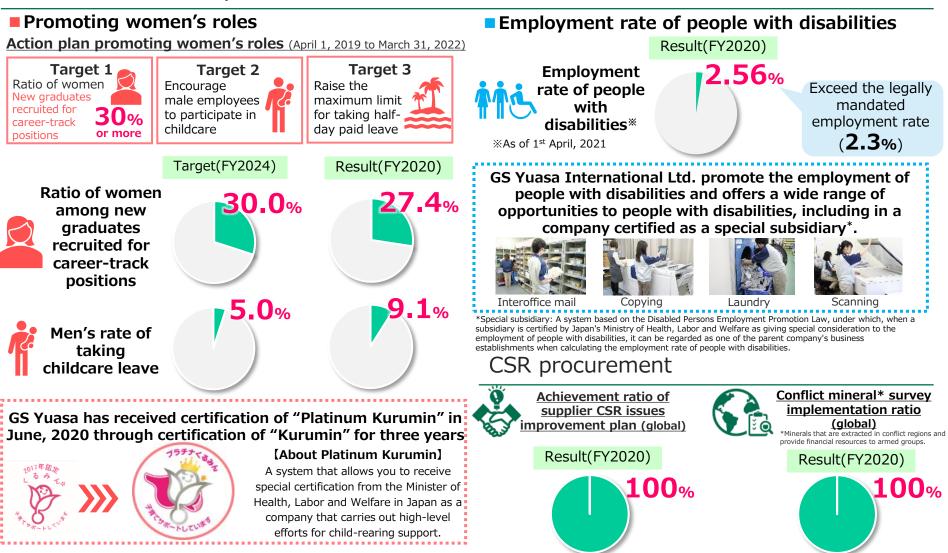






Initiatives of diversity

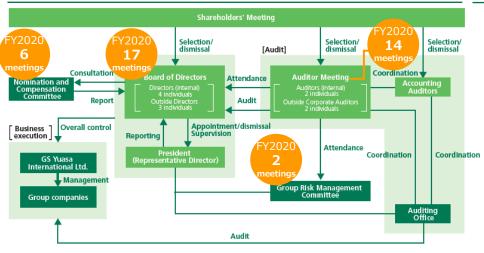
(Only in Japan)



ESG initiatives : Governance



Corporate Governance structure (FY2021)



<Skills matrix of directors and auditors (FY2020)>

			Kr	lowledge and	d experi	ence expected	by GS Y	uasa	
Name	Position or responsibility	Corporate management	Financial accounting	Legal affairs/ Compliance	п	International affairs	Sales	Manufacturing	Technology
Osamu Murao	President Chief executive officer (CEO)			•				•	•
Toshiyuki Nakagawa	Vice President Chief financial officer (CFO)	•	•	•	٠				
Masahiro Shibutani	Managing Director	•	٠			•	٠		
Kazuhiro Fukuoka	Director	•			•	•	٠		
lkuo Otani	Director Outside Independent	•	٠						
Takayoshi Matsunaga	Director Outside Independent	•			٠	•		•	٠
Yoshiko Nonogaki	Director Outside Independent	•			٠	٠	٠		
Masayuki Murakami	Corporate Auditor (Full-time)	•	٠	•			٠	٠	
Akio Furukawa	Corporate Auditor (Full-time)	•				٠	•		
Tsukasa Fujii	Corporate Auditor Outside Independent		٠	•					
Akira Tsujiuchi	Corporate Auditor Outside Independent		٠	•					

Efforts to strengthen Corporate Governance

- Implement of training for executives for fostering of next-generation management
 - <Theme of training in FY2020>
 - ROIC Management
 - Competition law



■ Change of independent auditor since the previous auditor had been in the post continuously for many years

Strengthen monitoring system due to increase number of outside directors (increase two to three)
 Appoint female outside director and enhance diversity

Remuneration of Directors

Director's remuneration : Consists of a fixed basic remuneration, a performance-linked annual bonus as a short-term incentive, and a performance-linked stock remuneration scheme as a medium- to long-term incentive
 Auditor's remuneration : In view of their role and independence, auditors receive only the fixed basic remuneration

<Composition of GS Yuasa Corporation's director remuneration>

Directors	Internal	Basic remuneration	Short-term performance-linked remuneration
Directors	Outside	Basic remuneration	on
Audito	rs	Basic remuneration	on





Qil	<automotive batteries="">Please tell us the quantity ratio of new automotive batteries and replacement batteries.</automotive>
A1.	In Japan, the ratio is approximately 1:1 (It depends on fiscal year). In overseas, we don't disclose the ratio because it depends on region.
Q2.	<automotive batteries=""> Is there possibility that lead-acid batteries will not be used due to electrification?</automotive>
A2.	Lead-acid battery is definitely installed one per one electric vehicle such as EV or HEV. The use is for memory backup of car navigation while parking. Another use is for auxiliary equipment such as applying small current for door opening and closing, and starting systems. We consider that lead-acid batteries will be used for starting systems because lithium-ion battery has extremely high voltage and it may be dangerous to stand by constantly.
(ପିସ୍ଟି'	<automotive (overseas)="" batteries=""> Please tell us the sales ratio by region.</automotive>
A3.	Approximately ASEAN : 40%, China : 20%, Europe : 20%, North America : 10%, the rest : other region (It depends on fiscal year).
Q4.	<industrial and="" batteries="" power="" supplies="">Please tell us the composition of net sales by product type.</industrial>
A4.	Approximately the use for backup for telecommunications or social infrastructure equipment : 60%, for forklifts : 20%, overseas : 20%, lighting : several percent (It depends on fiscal year).
	overseas . 20 %, lighting . several percent (it depends of fiscal year).
Q5.	<a>Automotive Lithium-ion Batteries> Please tell us the strategy toward electrification from now on.
Q5. A5.	
Q5. A5. Q6.	Automotive Lithium-ion Batteries> Please tell us the strategy toward electrification from now on. During the fifth mid-term management plan, the last year is FY2022, we focus on the resource for lithium-ion batteries for HEVs. In Europe, sales of new gasoline vehicles will be prohibited by 2035, and in Japan, the policy of changing all sales of new automobiles to electric vehicles including HEVs is posted. In order to respond increase of global demand in the segment of batteries for EVs in 2030s, GS Yuasa will increase resource of research development and investment, and prepare for full-
Q5. A5. Q6. Q7.	Automotive Lithium-ion Batteries> Please tell us the strategy toward electrification from now on. During the fifth mid-term management plan, the last year is FY2022, we focus on the resource for lithium-ion batteries for HEVs. In Europe, sales of new gasoline vehicles will be prohibited by 2035, and in Japan, the policy of changing all sales of new automobiles to electric vehicles including HEVs is posted. In order to respond increase of global demand in the segment of batteries for EVs in 2030s, GS Yuasa will increase resource of research development and investment, and prepare for full-scale entry to the market.
Q6.	Automotive Lithium-ion Batteries> Please tell us the strategy toward electrification from now on. During the fifth mid-term management plan, the last year is FY2022, we focus on the resource for lithium-ion batteries for HEVs. In Europe, sales of new gasoline vehicles will be prohibited by 2035, and in Japan, the policy of changing all sales of new automobiles to electric vehicles including HEVs is posted. In order to respond increase of global demand in the segment of batteries for EVs in 2030s, GS Yuasa will increase resource of research development and investment, and prepare for full-scale entry to the market. Automotive Lithium-ion Batteries> Please tell us sales or operating income of LEJ and BEC. LEJ : Sales was 21.9 billion yen and operating income was 0.4 billion yen, BEC : Sales was 21.9 billion yen and operating income was 2.3 billion yen (FY2020 result).



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.



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