Business Outlook

Specialized Batteries and Others

Message from the President of GS Yuasa Technology

We have a track record of the world's first adoption of lithium-ion batteries for aircraft and submarines and boast high recognition in special areas. We are No. 1 in the world in terms of the capacity of batteries installed in satellites. Our strength is technology development capabilities that allow us to win adoption into new public infrastructure making use of this advantage.

For batteries for defense applications, we receive orders for development and mass production of thermal batteries and proceed with a production increase plan. As for space applications, thermal batteries and lithium-ion batteries are adopted for domestic H3 rockets, and the amount of orders received for commercialization is expected to increase. In addition, we participated in the US's Artemis (lunar exploration) program, developed batteries to be used in a living environment like the International Space Station, and have already delivered some products. As for aircraft applications,



the replacement of lithium-ion batteries delivered on an OEM basis has been in steady progress and is a main source of profit.

During the term of the Sixth Mid-Term Management Plan, demand for lithium-ion batteries for submarines is expected to remain firm, while demand from airlines (for replacement) for lithium-ion batteries for aircraft will expand and volumes will increase. We expect year-on-year increases in sales and profit in FY2024 as well and hope to achieve three straight quarters of increases in sales and profit.

Basic information



SWOT analysis

 The only one specialized batteries manufacturers in Japan High technological capability and reliability that allow us to win adoption into new public infrastructure 	Strengths	Weaknesses	Delay in digitalizationAging equipment	
 Establishment and enforcement of the Act on Enhancing Defense Production and Technology Base Expansion of new market such as for space use 	Opportunities s	Threats T	 Higher costs due to increased development difficulty Occurrence of incidents arising from batteries Increased social responsibility Concern over stable procurement of lithium-ion battery components due to geopolitical risks 	

Outlook for the Sixth Mid-Term Management Plan

Policy

level of performance and quality

Increase in

environmental

response costs

new business

Increase in costs for

DX and creation of

Strategies and important tasks

Specialized batteries business

- Improve profitability due to efforts to strengthen the foundation of the defense industry
- Development of next-generation lithium-ion batteries for submarines
- Response to expanded demand of lithium-ion batteries for aircraft
- Expand sales of lithium-ion batteries for satellites

Future initiatives

[Lithium-ion batteries for submarines]

• Secure reasonable profits and prepare for the demand for battery replacement

[Other special batteries]

Boost production to improve defense capabilities

TOPICS

the Advanced Land Observing Satellite-4 "DAICHI-4" (ALOS-4)

Batteries developed and manufactured by GS Yuasa Technology Ltd. (GYT) have been installed in the Third H3 Launch Vehicle developed by Mitsubishi Heavy Industries, Ltd. and the Japan Aerospace Exploration Agency (JAXA), which was launched on July 1, 2024, as well as the Advanced Land Observing Satellite-4 "Daichi-4." GYT's lithium-ion batteries*² for use in space have been installed in the Daichi-4, an advanced land observation satellite which contributes to disaster monitoring, forest observation, marine surveillance, etc. The batteries will supply power to the satellite when it's unable to generate power in the shadow of the Earth.

Contribute to the building of new public infrastructure through batteries with the highest



Dedicated Batteries Developed by GS Yuasa Installed in the Third H3 Launch Vehicle and



H3 launch ve (Source: JAXA)



Daichi-4 advanced land observation satellite (Source: JAXA)