

Power Generation Business Strategies

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Business Overview

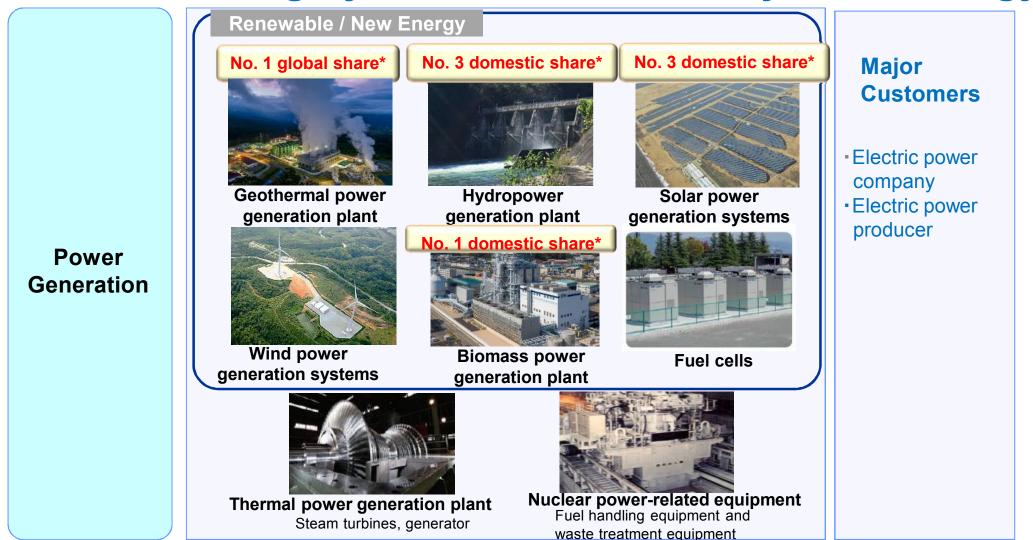
■FY2021 Management Plan

- Market Outlook
- Business Policies
- Business Plan
- Priority Measures
- Capital Investment / Research and Development

Business Overview



Provision of highly efficient, eco-friendly clean energy



* Based on FY2020 performance; Source: Fuji Electric Co., Ltd.

Notes: 1. Share figures for geothermal power generation plants are based on orders from 2000 forward. Share figures for solar power generation systems based on deliveries of industrial power conditioning subsystems with a capacity of 500 kW or more applicable under 2012 feed-in tariff system.

2. Photograph for geothermal power generation plant displays the Muara Laboh Geothermal Power Plant (photograph provided by PT Supreme Energy Muara Laboh).

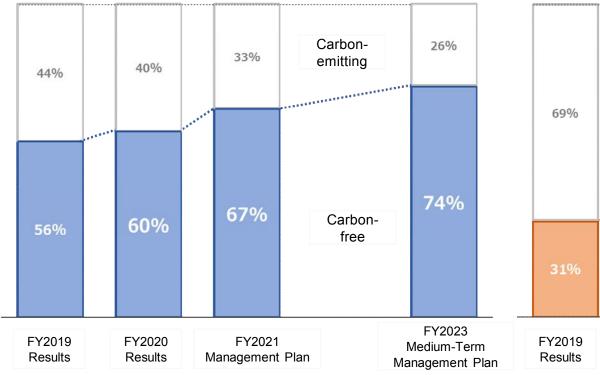
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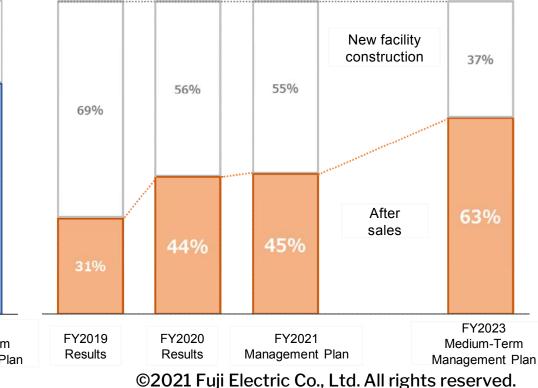
• Focus on renewable energy and decentralized power supplies (geothermal, hydropower, solar power, wind power)

Enhancement of after sales businesses

Sales Ratio by Market Need Category (Carbon-Free / Carbon-Emitting) Increase ratio of sales of carbon-free systems



Sales Ratio by Business Category (New Facility Construction / After Sales) Increase ratio of sales of after sales services



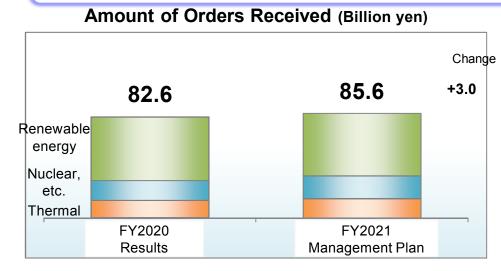


Advancement of portfolio reforms to grow orders and sales for renewable energy systems and non-fossil fuel power supplies

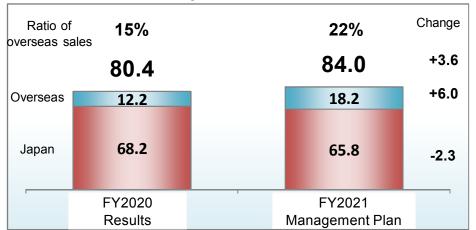
	Market Trends	Change (YoY)	Measures
Geo thermal	 Rise in survey and development projects Increase and concrete progress in projects with low capacities below 5 MW 	Growth	 Development of relationships that facilitate acquisition and advancement of projects through design assistance in early stages of project development
Hydro power	 Continuation of FIT-driven scrap and build projects 	Growth	• Leveraging of technological prowess in domestic market to achieve consistent growth over the medium to long term
Solar/ Wind etc.	 Resumed activity in remaining FIT-applicable solar power projects Business opportunities related to onshore and offshore wind power Movement toward green hydrogen utilization 	Flat	 Steady generation of earnings through remaining FIT-applicable solar power projects Expansion of operations in grid stabilization and other areas with potential for differentiation Proposal of (hydrogen) fuel cells
Nuclear	Rise in decommissioning and waste treatment projects	Growth	 Contributions to safe decommissioning Expansion of waste treatment solutions provisions
Thermal/ Geothermal After Sales Services	 Impacts on inspection and maintenance plans due to possible decommissioning of inefficient coal-fired thermal power plants and COVID-19 pandemic 	Flat	 Reinforcement and expansion of solutions-oriented upgrade services Increased provision of hybrid technical services merging remote and face-to-face interaction ©2021 Fuji Electric Co., Ltd. All rights reserved.

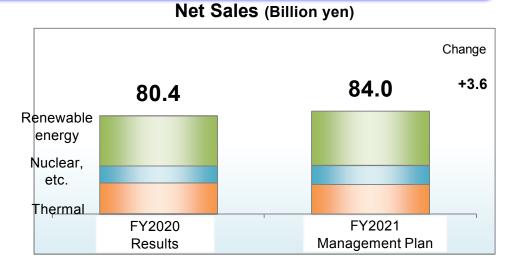


Business Policies Expansion of operations in carbon-free areas to address changing market environment

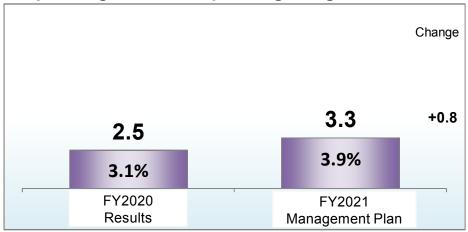


Net Sales in Japan / Overseas (Billion yen)





Operating Income / Operating Margin (Billion yen)



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Geothermal Power Priority Measures





Tauhara Geothermal Power Station (rendition of completed facility) (Photograph provided by Contact Energy)



Muara Laboh Geothermal Power Plant (Photograph provided by PT. Supreme Energy Muara Laboh)

Japan

- Promotion of sales of flash systems with 15 MW capacity
- Promotion of sales of ORC* systems for projects with less than 5 MW capacity

*Organic Rankine Cycle: Generation method using fluids with low boiling points in place of water

Overseas

- Continuance and promotion order-taking activity in Asia, Africa, and other promising locations
- •Enhancement of market presence by contributing to renewable energy popularization
 - in countries developing geothermal power systems, advancing partner strategies,
 - and reinforcing supply chains
- Growth of profits through stronger project management and cost reduction measures

Topics—World's Large Capacity from Single Geothermal Power Unit Project Name: Tauhara Geothermal Power Project (New Zealand's North Island) Generation Capacity: 152 MW Generation Method: Triple flash geothermal facility (scheduled for completion in 2023)

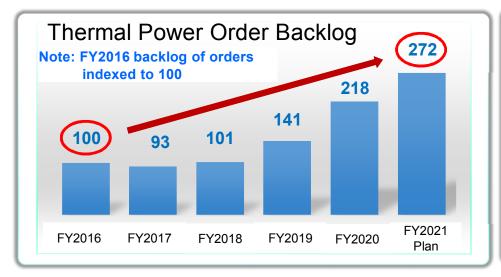




Shimizu Sawa Hydro Power Plant (Photograph provided by Hokkaido Prefectural Enterprise Bureau)

Effective incorporation of existing power plant after sales service projects (including output increases and scrap and build)

Strengthening of project execution systems, ongoing acquisition of scrap and build projects by optimizing supply chains
Differentiation of operations through application of new ecofriendly technologies



■ Topics Performed water turbine generator installation as part of Shimizu Sawa Hydro Power Plant renovation project for Hokkaido Prefectural Enterprise Bureau (operation commenced in April 2021)



Solar Power and Wind Power Priority Measures



Solar Power

Japan

•Support for swift development of inactive projects using FIT scheme and acquisition of related orders

• Promotion of sales of stabilizers and PCSs for local consumption power generation applications

Overseas

·Ongoing growth in solar power orders in Southeast Asia



GPD Oboro Solar Power Plant (Photograph provided by Green Power Development Corporation of Japan)

Topics

- Completion of GPD Oboro Solar Power Plant (DC capacity of 31.7 MW, AC capacity of 20.0 MW, LiB capacity of 8.7 MWh), battery-equipped solar power generation facilities (compatible with output fluctuation mitigation standards required of plants under HEPCO jurisdiction), in July 2020
- Receipt of orders for FIT projects including Aoki Power Station (DC capacity of 23.3 MW, AC capacity of 19.5 MW) for FSJ (order received in March 2021) and Nobuoka Solar Power Plant (DC capacity of 12.6 MW, AC capacity of 10.0 MW) for JDC (order received in March 2021)

Wind Power

Japan

- Support for swift business development
- Promotion of proposals using electricity storage and stabilization equipment and ultrahigh voltage and transformer technologies developed in solar power field and in which Fuji Electric specializes



Wind power plant construction site in Aichi Prefecture

■Topics

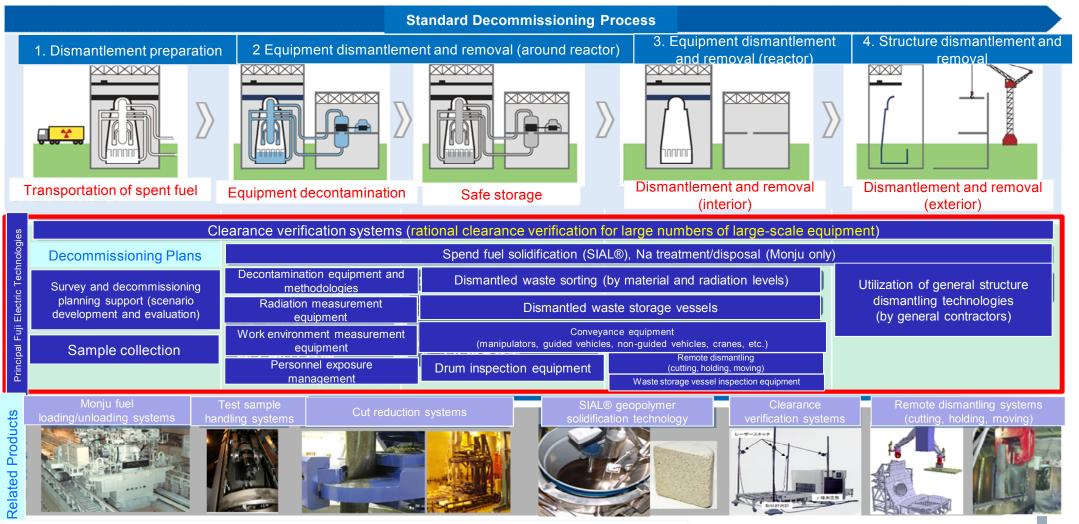
Moved forward with construction of large-scale wind power plant (5 units with capacity of 4.3 MW each) for localized consumption in Higashi-Mikawa area of Aichi Prefecture

Nuclear Power-Related Equipment Priority Measures



Expansion of safe decommissioning and after sales businesses

- · Expansion of decommissioning and radioactive waste treatment businesses and introduction of new products
- Advancement of spent fuel extraction initiatives



Source: Nuclear Power and Energy Images, Japan Atomic Energy Relations Organization

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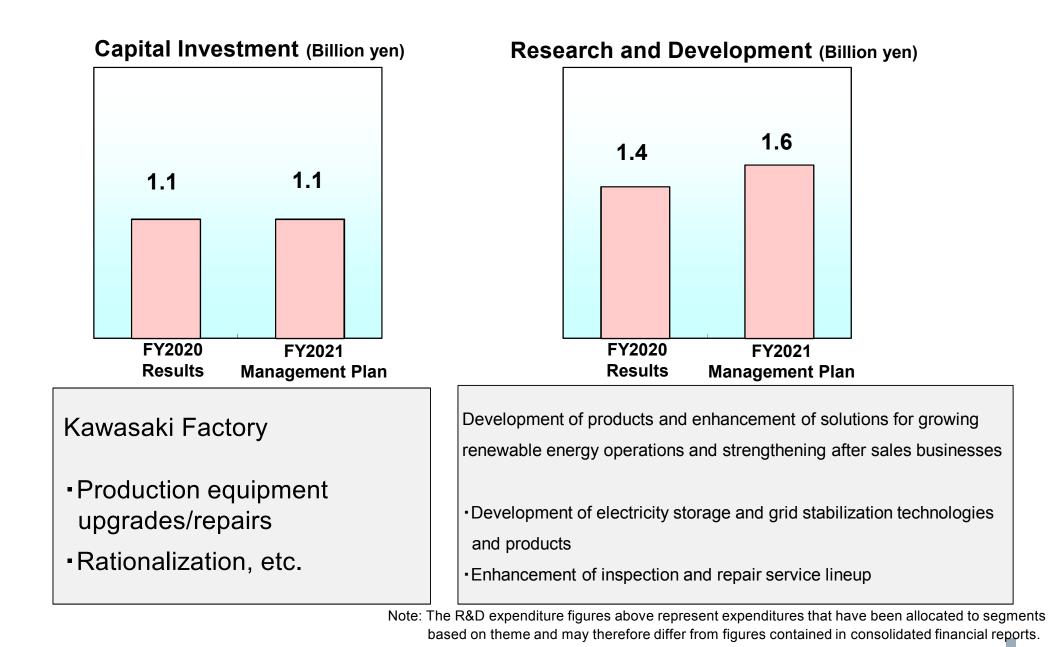
- Enhancement of solution proposal in response to decarbonization trend Fuel conversion, operation conversion, efficiency improvement, etc.
- More extensive provision of remote technical field advisor services matched to customer needs
 - Enhancement and expanded application of remote technical field advisor services to respond to diverse customer needs through approach combining remote technical services and engineer dispatch

1. Remote Technical Field Advisor Service 2. Remote Technical Field Advisor Service through local engineers

3. Engineer dispatch + Remote Technical Field Advisor Service







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