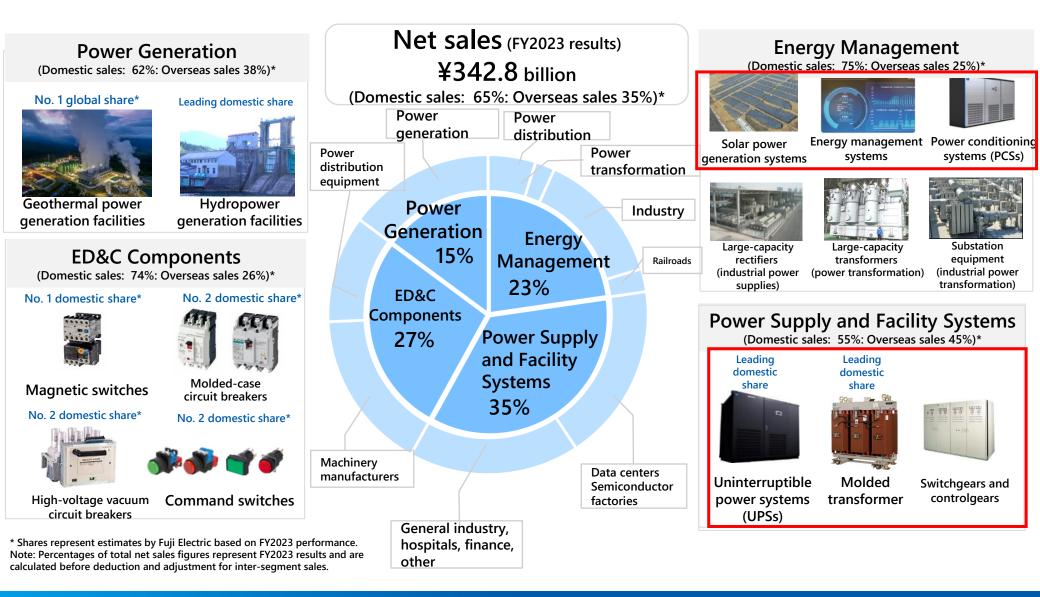


Energy Business Group Research and Development looking toward FY2026 Kentaro Toyama General Manager, Development Division July 11th, 2024

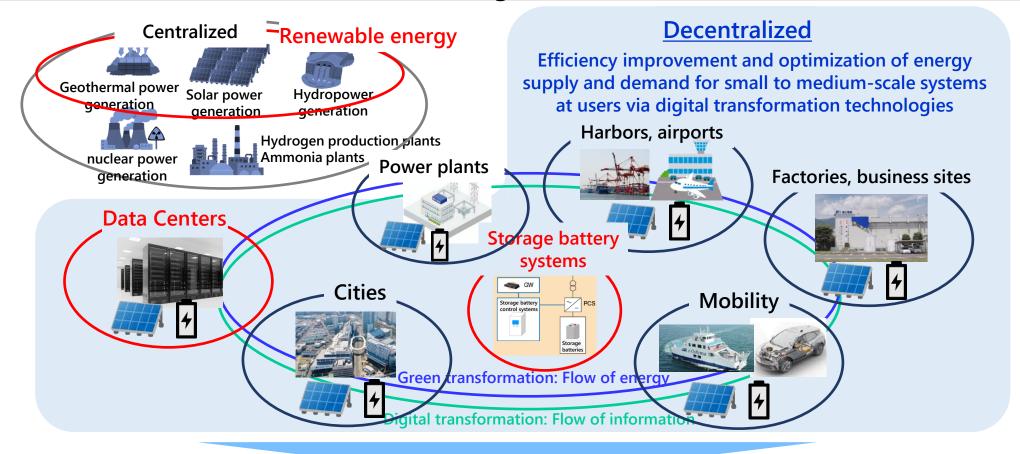
Contributions to stable, optimal, and reliable supplies of clean energy



Operating Environment and Business Opportunities



Need for decarbonization of both centralized and decentralized power supplies in order to achieve green transformation



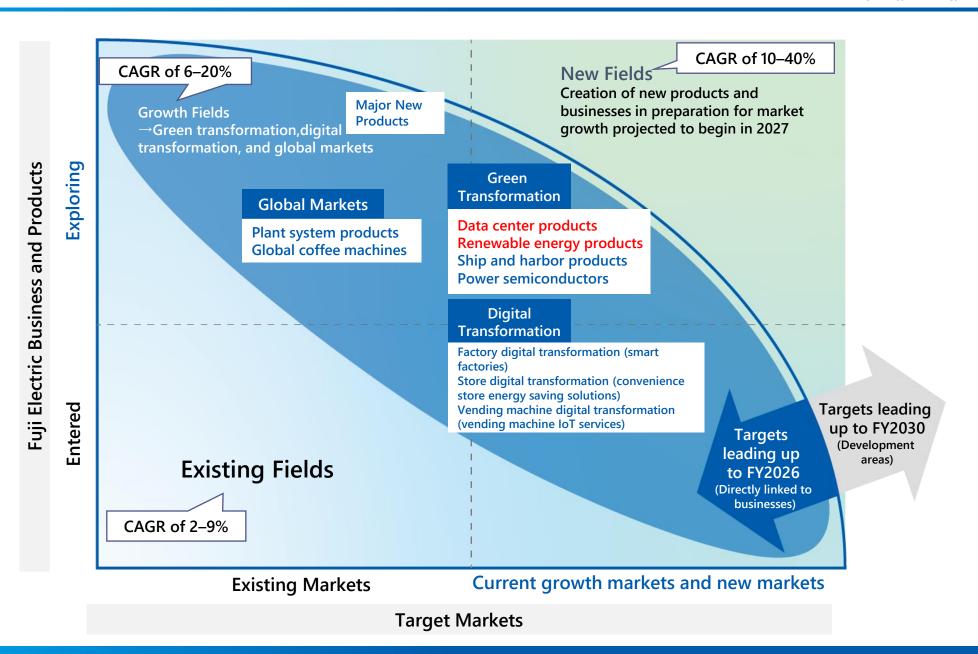
- > Grid stabilization driven measures in conjunction with spread of renewable energy (electricity storage systems)
- Growing power demand and rising need for reliable power supply stimulated by brisk data center investment amid AI and digital transformation advancements
- \triangleright Rising need for decarbonization of thermal energy equipment and facilities with high CO₂ emissions

Market Outlook and Technical Requirements



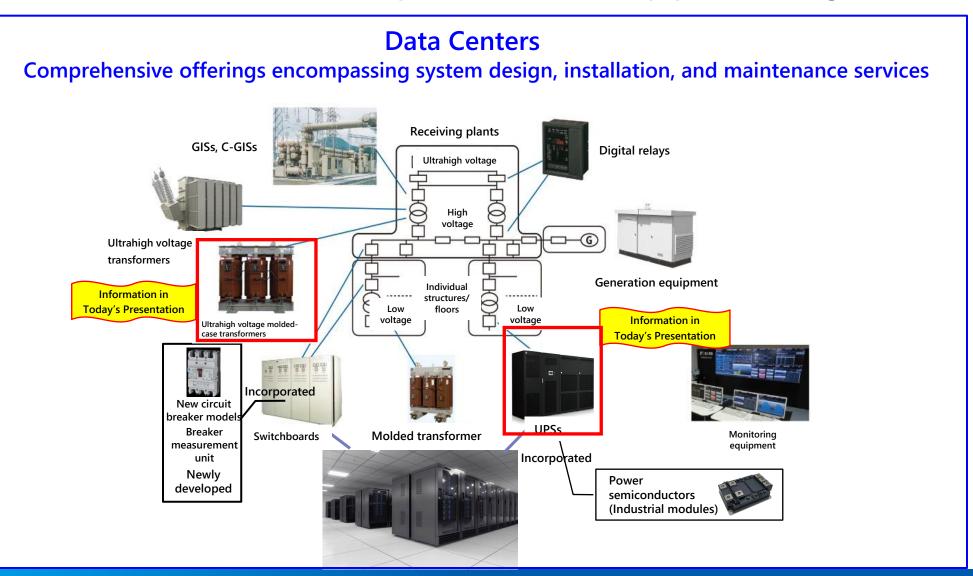
Business	Market Outlook and Technical Requirements (FY2024–2026)		
Energy Management	Renewable energy (Storage batteries)	Market Outlook	 Rising grid stabilization (energy storage system) needs simulated by spread of renewable energy Increase in regions considering adoption of regional microgrids
		Technical Requireme nts	•Transition toward multi-use application of grid products to accommodate mixed use of various types of storage batteries
			•Autonomous operation functions that allow storage batteries for power users to act as power supplies during power outages
			•Focus on power transaction price prediction and risk management in power wholesale, supply-demand adjustment, and other markets
Power Supply and Facility Systems	Data centers	Market Outlook	 Ongoing increase in market entries by foreign internet data center operators amid popularization of generative AI Rises in power consumption due to growth in demand for digital technologies and generative AI
		Technical Requireme nts	•Need for larger capacities, higher efficiency, and more compact equipment for hyper scaler data centers
			•Improvement of energy conversion efficiency to reduce CO ₂ emissions and running costs
			Minimization of mean time to recovery

Key Development Themes of FY2026 Medium-Term Management Plan Fourier Electric





Expansion of lineup of products featuring large capacities and increased power density and commercialization of comprehensive electrical equipment offerings





Expansion of lineup of large-capacity UPSs ideal for hyper scaler data centers

Features and Strengths of Large-Capacity UPSs

- •Space saving by reducing size of UPSs and peripheral switchgears and controlgears
- Minimization of mean time to recovery through use of unit design
- •Reduction of load test costs at time of installation through energy recovery functions



Applicable Fields

- •Hyper scaler data centers
- Semiconductor production

Development Focuses

- •Maximization of space available for IT equipment
- (minimization of space used for UPSs)
- •High maintainability and availability

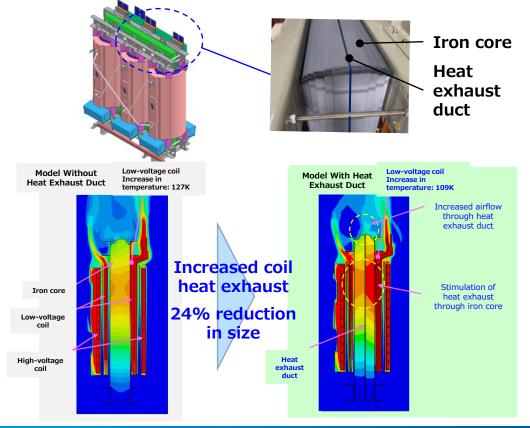


Deployment of new products featuring high price competitiveness for Southeast Asia and other global transformer markets

Features and Strengths of Molded-Case Transformers

•More-compact and lighter-weight transformers made possible by increasing insulation and coil heat exhaust levels

·Higher price competitiveness achieved through global part procurement



Applicable Fields

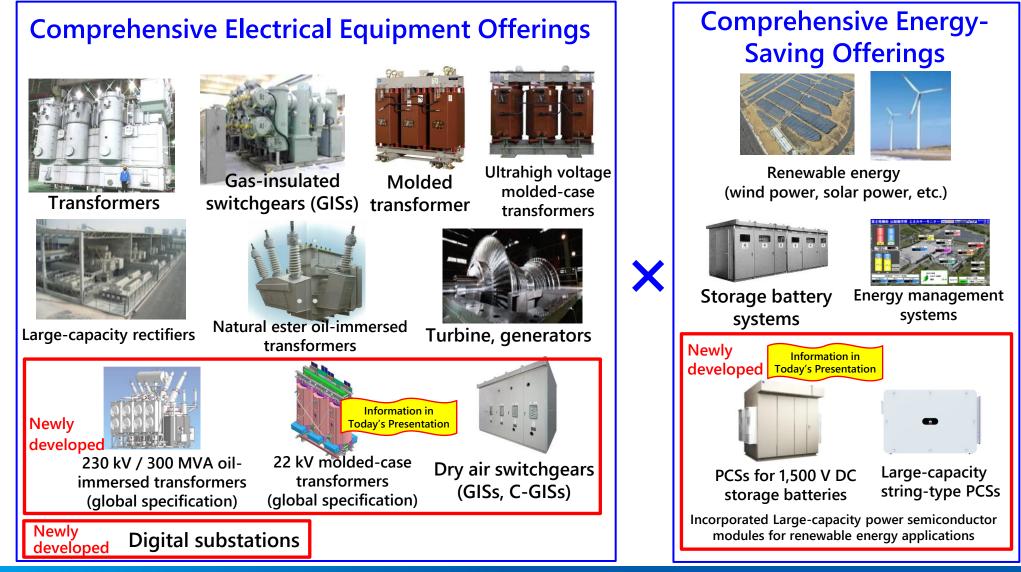
•Electricity distribution equipment for semiconductor factories, data centers, etc.

Development Focuses

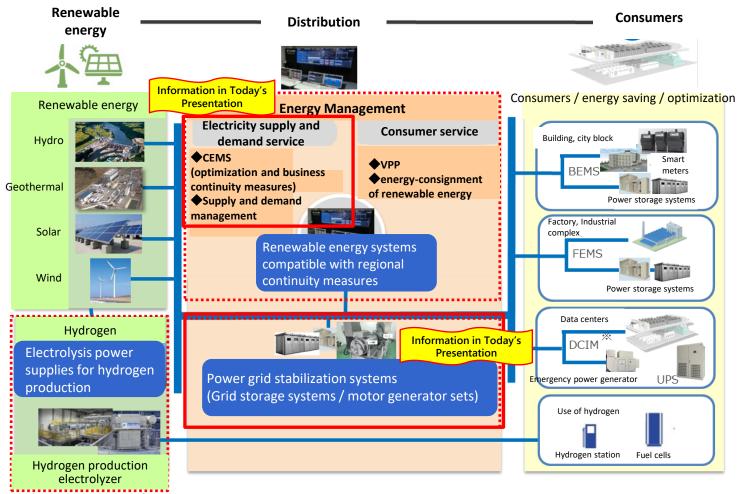
 Price competitiveness in Southeast Asian market

Note: Rapid growth in data centers and semiconductor production projected in Southeast Asia Growth Fields Power Equipment and Energy-Saving Products Green Transformation For Fuji Electric

Enhancement of comprehensive offering that respond to rising power demand with unique existing products and new products



Development of grid stabilization and power transaction support systems to accommodate spread of renewable energy



* DCIM: Data center infrastructure management



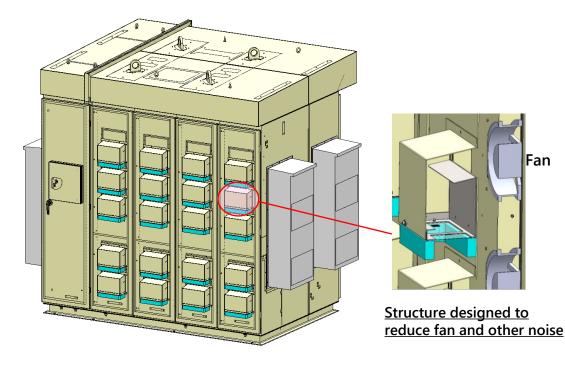
Use of storage battery PCSs for in-house solar power generation systems and for power transactions in power wholesale, supply-demand adjustment, and other markets

Fan

Features and Strengths of Storage Battery PCSs

- •Reduction of system costs through use of higher voltages
- •Response to diverse needs associated with autonomous operation, power retail, and power use

 Compatibility with wide range of installation environment with high salification resistance and reduced noise



Applicable Fields

- In-house solar power generation systems
- Power wholesale, supply-demand adjustment, and other power transactions
- Storage battery facilities, microgrid systems

Development Focuses

- •Expansion of capacity lineup to match customer needs
- Development of autonomous operation functions

Note: Increased use of renewable energy and expansion of storage battery facilities anticipated as part of decarbonization trend

Green Transformation

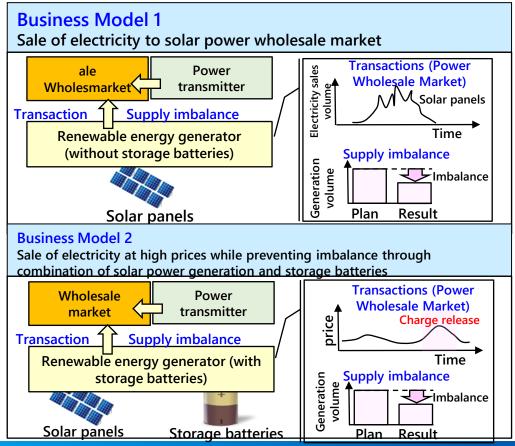


Al-powered prediction and optimization technologies able to accommodate various power transaction needs

Features and Strengths of Power Transaction Support Technologies

•Reduction of imbalance and other risks through use of AI to formulate high-accuracy predictions of power transaction prices

•Contribution to maximized earnings for power generators



Applicable Fields

•Power wholesale, supply-demand adjustment, and other markets

Development Focuses

- •Power transaction price prediction technologies
- •Technologies for producing transaction plans that incorporate risks

- Statements made in this documents or in the presentation to which they pertain regarding estimates or projections are forward-looking statements based on the company's judgments and assumptions in light of information currently available. Actual results may differ materially from those projected as a result of uncertainties inherent in such judgments and assumptions, as well as changes in business operations or other internal or external conditions. Accordingly, the company gives no guarantee regarding the reliability of any information contained in these forwardlooking statements.
- 2. These documents are for information purpose only, and do not constitute an inducement by the company to make investments.
- 3. Unauthorized reproduction of these documents, in part or in whole, is prohibited.

