

Innovating Energy Technology

Corporate Profile 2020

## **Contributing to the Creation** of a Sustainable Society through Our Energy and **Environment Businesses**

Since its foundation in 1923, Fuji Electric has pursued innovation in energy and environment technology to make broad contributions to the world in the fields of industrial and social infrastructure.

Global society is currently engaged in a movement to achieve economic growth while simultaneously addressing social and environmental issues. This commitment can be seen in the adoption of the United Nations Sustainable Development Goals, a set of goals for realizing a sustainable society, and the Paris Agreement, an international framework for combating global warming. Companies, too, have come to be expected to take part in proactive efforts toward these goals as responsible members of society.

The direction indicated by Fuji Electric's corporate philosophy and management policies coincides with the goals of global society. We are thus committed to working together with our customers and business partners to help resolve social and environmental issues through the creation of products and systems that efficiently utilize electricity and heat.

Acting in accordance with our corporate slogan of being "enthusiastic, ambitious and sensitive," we will utilize the comprehensive strengths of dedicated teams of diverse individuals to contribute to the creation of a sustainable society through our energy and environment businesses.

1, In destigan

Michihiro Kitazawa President and Chairman of the Board of Directors

## **Corporate Philosophy**

### **Corporate Mission**

We, Fuji Electric, pledge as responsible corporate citizens in a global society to strengthen our trust with communities, customers and partners. Our mission is to:

- Contribute to prosperity
- Encourage creativity
- Seek harmony with the environment

### Slogan

To be enthusiastic, ambitious and sensitive.

### Fuji Electric Code of Conduct

- 1. Respect and value all people
- 2. Respect and value our customers
- 3. Respect and value our business partners
- 4. Respect and value our shareholders and investors

### **Brand Statement**

## **Innovating** Energy Technology

### **Brand Promise**

Through our pursuit of innovation in electric and thermal energy technology, we develop products that maximize energy efficiency and lead to a responsible and sustainable society.



## **Management Policies**

- 1. Through our innovation in energy and environment technology, we contribute to the creation of a responsible and sustainable society.
- 2. Achieve further growth through our global business expansion.
- 3. Maximize our strengths as a team, respecting employees' diverse ambition.

- 5. Respect and value the global environment
- 6. Respect and value interaction with society
- 7. Make global compliance a top priority
- 8. Top management will thoroughly practice this standard

# Fuji Electric's Energy and **Environment Businesses**

Fuji Electric is committed to thoroughly exercising synergies between its core power semiconductor and power electronics technologies. By combining high-quality equipment employing key devices with engineering services, optimal control technologies, and IoT technologies developed through frontline operations, we will make contributions to the creation of a responsible and sustainable society in industrial and social infrastructure fields.



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	Automation Energy saving	
iC \$	Food and Beverage Distribution	
ia.		
ors	Vending machines	Store distribution

by connecting various objects through networks and enabling them to achieve optimal, autono-



## **Power Electronics Systems Energy**

Fuji Electric supports electricity infrastructure with proven technologies to ensure stable supply and optimization of energy.

### Transmission and distribution

Fuji Electric provides a broad lineup of industrial power-supply infrastructure equipment that helps stabilize power supplies while enabling customers to improve productivity and realize energy savings. This equipment includes substations for electric power facilities, railways, factories, and buildings as well as high-capacity rectification equipment.

High-capacity transformers	High-capacity rectifi- cation equipment	Oil-immersed transformers	Molded transformers

## Energy management systems

The circumstances surrounding power grids are undergoing great change, as frameworks pertaining to power systems are revised and renewable energy is introduced in mass quantities. Against this backdrop, Fuji Electric is helping to realize stable power supplies through the projection of power demand and renewable energy system output to achieve optimal control of power generation, transmission, and storage facilities.



### Services

Fuji Electric offers service throughout the lifecycles of its products. Our call centers in Japan and other countries respond to customer inquiries received via telephone or our website 24 hours a day, 365 days a year, contributing to higher levels of customer satisfaction.

## Transmission and distribution monitoring and control systems

Fuji Electric supports stable energy supplies while offering assistance for the work of operators by enabling more sophisticated operation management through the consolidation and automation of monitoring and control functions. We are able to respond flexibly to the diverse operation methods and interfaces of various types of power distribution equipment and systems.



## Substation equipment diagnosis services

Fuji Electric offers services for assessing and diagnosing equipment reliability and stress to track risks and uses this information to propose equipment improvement plans geared toward achieving stable operations and mitigating risks.



## Switchboards

Fuji Electric provides power distribution equipment with stable power supply, protection, and monitoring functions for a wide range of industrial and social infrastructure. Our equipment is compatible with both domestic and overseas standards (JEM, JIS, and IEC).



## Data center total systems

Combining substation equipment, uninterruptible power systems (UPS), and emergency power generation equipment to supply power stably, Fuji Electric undertakes construction project ranging from entire facility design, equipment manufacturing, to installation work, contributing to shortening the construction period and saving energy.



### **Power supplies**

Fuji Electric offers switching power supply systems for embedding in facility equipment and information devices, such as servers; uninterruptible power systems (UPS) for handling power source issues, such as outages and voltage fluctuations; and power conditioning systems (PCS) that efficiently convert electricity.



## ED&C components

Fuji Electric offers power distribution and control equipment such as magnetic switches and molded-case circuit breakers for manufacturing equipment and other machinery in factories, so as to meet customers' needs for energy savings and safety improvement.

 Magnetic switches
 Molded-case circuit breakers
 Circuit protectors

 Image: Circuit protect of the system of the sys



## **Power Electronics Systems Industry**

Fuji Electric combines its power electronics products with measuring instruments and the Internet of Things (IoT) and facilitates the advance of plant automation and visualization to increase productivity and save energy.

### **Drive equipment**

Fuji Electric facilitates automation and energy savings with a wide range of inverters that are applicable to various industrial fields, motors that are compatible with leading domestic standards, and servo systems that boast the industry's top level of performance.



## **Control equipment**

Fuji Electric promotes factory automation by delivering equipment and other system solutions that allow for optimal control of servo systems and inverters with programmable controllers and programmable displays.



### Services



Our technical service centers handle all inquiries related to drive equipment, factory automation equipment, measuring instruments, and other components. We also make it possible to receive responses to inquiries via our website as part of our efforts to further improve customer service.

### Optimal control systems For assembly and processing equipment

Fuji Electric packages the expertise it has accumulated throughout its years of operation to help realize optimal control as required in specific fields and industries with its motion systems and to facilitate data tracking and preventive maintenance with its systems to collect operation information.



### Measuring instruments

Fuji Electric delivers measuring instruments that are compact and offer high precision, high performance, and long-term stability. They can be used for optimizing equipment operation, reducing energy consumption, and measuring aspects of the environment such as air pollution, as well as visualizing customer facilities to help ensure safety and security.



### High-speed control systems For metal plants

Fuji Electric's systems help achieve stable operation with minimal maintenance by providing both high-speed control and monitoring control and utilizing optimal control technologies to achieve efficient energy use.



## Electrical equipment for railcars

Fuji Electric provides high-efficiency, lightweight main power converters and traction motors that control the running of high-speed railways, as well as door systems and other equipment to support safe and secure railway operations and help to reduce the impact on the environment.



### Monitoring control systems For cement plants

By combining substation equipment, drive equipment, control equipment, measuring instruments, and other products, Fuji Electric provides systems that contribute to stable operation and high-quality product manufacturing by realizing optimal monitoring control and operation management.

Cement plants

Screenshot of remote control system

SOx scrubbers



# Exhaust gas cleaning systems for ships

Fuji Electric's exhaust gas cleaning systems combine the world's smallest\* SOx scrubbers with optimal control functions using exhaust gas analyzers to ensure compliance with SOx emissions regulations and minimal operating costs.

\* As of October 2017, based on Fuji Electric's data







## **Electronic Devices**

Fuji Electric's electronic devices, achieving higher quality and high conversion efficiency, contribute to product downsizing and energy savings.

### Semiconductors

#### Industrial field

Fuji Electric supplies IGBT modules that meet the high-quality standards and achieve high conversion efficiency for use in industrial machinery and wind power and solar power generation equipment, which are increasingly incorporating the IoT and labor-reducing techniques. Our aim is to develop even higher performance semiconductor components-such as 7th-generation IGBT modules and SiC devices-and to contribute to equipment that is more compact and boasts greater energy savings with our advanced packaging technology.

The Company provides low-loss control integrated circuits (ICs) and high blocking voltage semiconductor devices for use in telecommunications equipment, servers, and flat-screen televisions. Fuji Electric has also established a series of control ICs, metal-oxide-semiconductor fieldeffect transistors (MOSFETs), and diode products that are compatible with various power supply standards in order to further energy savings.

Fuji Electric provides organic photoconductive drums that support fast, high-definition document representation for printers as well as multifunction peripherals.

7th-generation IGBT modules

All-SiC modules Small-capacity IPMs\* Power MOSFETs



IPMs: Intelligent power modules

#### Automotive field

Fuji Electric provides key devices for the control of engines, brakes, and steering as well as for the motor drives and battery charging of electric vehicles and hybrid electric vehicles. Through our proprietary direct liquid-cooling technology and RB-IGBT\* technology, we make devices smaller, lighter, and more reliable while helping address strict environmental and fuel regulations and improve safety. \*RB-IGBT: Reverse-blocking insulated gate bipolar transistor



## Magnetic disks

Fuji Electric provides magnetic disks (magnetic recording media) that are incorporated into hard disk drives. We apply industry-leading technology to enhance the performance and capacity of information equipment.



## **Power Generation**

With its sophisticated plant engineering capabilities, Fuji Electric is a one-stop provider of services ranging from design and manufacturing to on-site installation, commissioning tests, and after-sales services.

### Renewable energy and new energy

#### Geothermal and Hydroelectric power generation

Fuji Electric offers flash and binary systems for geothermal power plants, leading the industry worldwide with extensive expertise accumulated over many years. We have been committed to provide existing hydropower facilities with upgrades, including modernization, increase of efficiency and output, and elimination of environmental risk.

Geothermal power generation facilitie



#### Fuel cells

Fuji Electric's fuel cells are applicable for use in disaster-response facilities and can be fueled by biogases. These products are eco-friendly options for realizing highly efficient power generation using electricity and heat.





#### Solar and wind power generation

Fuji Electric's solar and wind power generation offerings include systems comprising high-efficiency, large-capacity power conditioning systems (PCS) backed by a robust track record, power stabilizers, and other peripheral system equipment and founded on our expertise in engineering, procurement, and construction.



## Thermal power

Fuji Electric offers high-efficiency thermal power generation plants and after-sales services that are centered on steam turbines and generators.



## Nuclear power-related equipment

Fuji Electric can supply equipment to manufacture mixed oxide fuel, decommissioning systems that utilize cutting-edge solidification technology (SIAL®), and other nuclear power generation equipment.



## **Food and Beverage Distribution**

Fuji Electric provides food safety and security and helps to realize automation and conserve energy in this field.

### Vending machines

As a leader in the industry, Fuji Electric is actively working to expand the use of eco-friendly vending machines with advanced energy-saving features and to respond to customers' diverse needs with an abundant variety of products, ranging from can and PET bottle vending machines to cup and food vending machines. Also, through beverage equipment such as automatic tea dispensers, we contribute to labor savings in the workplace.

Hybrid heat pump can/PET vending machines Cup vending machines Food vending machines -



## Store distribution

### Store equipment

Fuji Electric combines core technologies for energy, IT-enabled control, and cooling and heating to provide customers with food distribution that ensures safety, security, freshness, and maximum flavor. We offer a varied menu of products and solutions, including energy-saving freezers and refrigerated showcases that allow our customers to display products in any manner they may require and systems and other products for realizing labor savings.



#### **Currency handling equipment**

Fuji Electric supports customers in achieving the labor saving of cash management with point-of-sale cash registers, reception equipment, and self-use fare adjustment machines.



Total facility management systems for stores Fuji Electric contributes to food safety and security, labor-saving, and energy saving by helping to centralize control of temperature, freshness, and equipment inspections and optimize energy consumption using integrated controllers for stores.

## Research and Development (R&D) / **Manufacturing and Services**

Through innovations made in energy and environment technology, Fuji Electric will create products that will help realize a sustainable society.

### **Research and Development**

Utilizing power semiconductors and power electronics as core technologies, Fuji Electric makes full use of measurement, control, and ICT technologies to innovate energy and environmental technologies. While refining real-world technologies as a manufacturer, we will deepen our development of the latest in digital technologies, accelerate the expansion of our applications of analytics and AI, create

### **R&D** Policies

Creation of competitive components and systems



Development of sophisticated and competitive products through the integration of technologies



Next-generation ultra-compact power unit

The newly developed SignAiEdge, an edge controller equipped with a touch panel and built-in analytics and Al, which enables productivity improvements by automatically visualizing "unusual" conditions on the production floor

A power unit that achieves ultra-high density output through the integration of advanced technologies, such as insulation, bonding, thermal cooling, power electronics, next-generation wide-bandgap semicon ductor devices and packages

## Manufacturing

Aiming to manufacture products that satisfy customers in all respects, including quality, cost, and delivery, Fuji Electric has proceeded to enhance its manufacturing capabilities. At the same time, we are focused on augmenting on-site capabilities-which we have strengthened by restructuring supply chains-manufacturing technology, and human resources. Such efforts are boosting our competitiveness. As one facet of our efforts to enhance our manufacturing capabilities, we are harnessing IoT technologies to convert all of Fuji Electric's factories into smart factories. With Japan acting as the mother base (plant), we are strengthening our global production network in accordance with our



### Services

service from customers, service staff dispatches, and the results of repair works. Moreover, we position technical support staff close to customers as part of our efforts to heighten customer satisfaction.

Fuji Electric unifies the management of requests for

competitive components, and provide systems that feature them. Through these initiatives, we aim to create value for our customers and resolve social and environmental issues by enabling a stable supply of energy from clean energy sources, customer side distribution automation, and energy savings.

Strengthening of basic technologies by utilizing digital technology



Process of stress

gate oxide film on a SiC

Process of forming

ower device



corrosion cracking in the material of turbine blades used for geothermal power generation Crack

Reproduction of phenomena in the digital space, such as an atomic-scale semiconductor interface and several-meter-scale turbine blade corrosion

policy of pursuing local design, local production, and local consumption. Functioning as the mother base of Fuji Electric's production technology, the Facility Technology Center concentrates on production technology

development (advancing automation), equipment production (focusing on equipment design and production), and technical and skills training (fostering production engineers,





Facility Technology Center

### The Three Pillars for Enhancing Our Manufacturing Prowess

The ability to enhance product manufacturing skills, manage and maintain sites, improve productivity, and reduce costs

Manufacturing technology —— The ability to develop manufacturing methods, production processes, and production equipment for mass production in step with product development

> The capacity to develop the human resources underpinning manufacturing operations and to help them hone their skills and techniques

## Contributing to the creation of a sustainable society

Fuji Electric contributes to the resolution of social and environmental issues through its business activities.

## Fuji Electric Corporate Activities and SDGs

Guided by its corporate philosophy and its management policies, Fuji Electric has continued to contribute to the resolution of social and environmental issues by pursuing innovation in energy and environment technology and creating high-value, eco-friendly products. We have established the Fuji Electric Code of Conduct as a policy by which the Company and all employees come together as one under shared common values. Acting in accordance with this code, Fuji Electric is contributing to the accomplishment of the United Nations Sustainable Development Goals through its business activities.

 SUSTAINABLE GOALS

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 2

 Image: Polety
 3

 Image: Polety



### Contributions to Accomplishment of Five Priority SDGs



### **Environmental Initiatives**

Fuji Electric positions the protection of the Earth's environment is a material management issue, and is proactively working to resolve environmental problems such as global warming. We formulated our Environmental Vision 2050, which aims to "realize a low-carbon society," "realize a recycling-oriented society," and "realize a society in harmony with nature" based on the Paris Agreement and the Plan for Global Warming Countermeasures of the Japanese government (Cabinet Decision). We are taking steps to reduce greenhouse gases, promote the 3Rs of "reduce, reuse and recycle," and reduce the impact on the ecosystem throughout the entire supply chain.

We have been selected by CDP\* as one of the highest rated Climate Change A List Companies 2019, which recognizes companies for their initiatives in addressing climate change and information disclosure policies.

In addition, in June 2020, Fuji Electric expressed its support for the Task Force Climate-related Financial Disclosures (TCFD), an international framework for disclosing the financial impacts of climate change. Through the initiatives in our Environmental Vision 2050, we will analyze the financial impact of climate change, reflect it in our management strategies, and actively disclose the information.

\* CDP is a non-governmental organization that researches, evaluates, and discloses environmental initiatives worldwide. CDP's primary activity is to call on companies and local governments to disclose information on environmental issues, such as climate change countermeasures, water resource protection, and forest conservation. This activity is based on the requests of global institutional investors and major purchasing companies with a strong interest in environmental issues, and through this activity, CDP encourages the implementation of such countermeasures.



## **Corporate Code of Conduct**

Fuji Electric, and our employees, in our corporate philosophy state that we, "pledge as responsible corporate citizens in a global society to strengthen our trust with communities, customers and partners, and fulfill our mission in good faith," and through all corporate activities we will "contribute to prosperity," "encourage creativity," "seek harmony with the environment," while also contributing to the achievement of the United Nations Sustainable Development Goals (SDGs).

### 1. Respect and value all people

Fuji Electric and its employees respect human rights in their relationships within all corporate activities. In addition, we will promote the activities of diverse human resources, and strive to create a workplace that takes health and safety into consideration, with each employee having a rewarding job.

### 2. Respect and value our customers

Fuji Electric and its employees will strive to improve customer satisfaction by expanding business globally and providing safe, secure, and reliable products and services that make full use of energy and environmental technologies.

### 3. Respect and value our business partners

Fuji Electric and its employees, along with business partners, will promote procurement activities aimed at establishing fair and impartial transactions and a supply chain that supports a sustainable society.

### 4. Respect and value our shareholders and investors

Fuji Electric and its employees will deepen mutual understanding and trust by promoting honest and active information disclosure and constructive dialogue with shareholders and investors.

### 5. Respect and value the global environment

Fuji Electric and its employees will, according to the Fuji Electric Environmental Protection Basic Policy, proactively and actively tackle global environmental issues in all corporate activities and contribute to the realization of a low carbon, recycling society that is in harmony with nature. In order to practice our corporate philosophy to fulfill social responsibility and act with high ethical standards while understanding and complying with relevant laws, regulations, international rules and the spirit of such regulations and rules, both domestically and abroad, Fuji Electric and its employees have defined this code as a foundation for decision-making and behavior.

### 6. Respect and value interaction with society

Fuji Electric and its employees, as good corporate citizens, actively participate in communities, communicate with local stakeholders, and contribute to their development through collaboration.

### 7. Make global compliance a top priority 7-1 Thorough compliance

Fuji Electric and its employees, as members of a highly public group that declares it contributes to solutions to global problems such as the "environment" and "energy," recognize the importance of compliance, fully understand domestic and foreign laws, customs, and all other social norms and their spirit, comply with them, and always act with high social consciousness.

### 7-2 Thorough risk management

Fuji Electric and its employees will implement thorough risk management for the sustainable growth of Fuji Electric.

## 8. Top management will thoroughly practice this standard

To put this standard into practice, Fuji Electric management will build and promote soundness, efficiency, transparency, an effective governance system, and a compliance system that ensures thorough compliance with laws and social norms. This standard will be shared with all employees and communicated to partners, etc., as well as supply chains.

In the event of a violation of the law or any other situation that violates this standard, while working to resolve issues and fulfilling accountability to society, we will strive to investigate causes, recover damages, prevent recurrence, and deal strict punishment.

## **Company Data**

### **Corporate Information**

**Company Name** FUJI ELECTRIC CO., LTD.

Established August 29, 1923

**Registered Address** 1-1, Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9530, Japan

**Head Office** Gate City Ohsaki, East Tower, 11-2, Osaki 1-chome, Shinagawa-ku, Tokyo 141-0032, Japan

### Management (As of August 6, 2020)

#### **Directors**

Michihiro Kitazawa	President and Chairman of the Board of Directors
Kenzo Sugai	Representative Director
Toshihito Tamba	Outside Director
Naoomi Tachikawa	Outside Director
Yoshitsugu Hayashi	Outside Director
Michio Abe	Director
Masatsugu Tomotaka	Director
Junichi Arai	Director

#### **Audit & Supervisory Board Members**

Standing Auditor

Standing Auditor

Outside Auditor

Outside Auditor

Outside Auditor

Yoshio Okuno Junichi Matsumoto Tetsuo Hiramatsu Hirohiko Takaoka Yuko Katsuta

**Capital Stock** ¥47.6 billion (Year ended March 31, 2020)

Number of Employees (Consolidated) 27,960 (As of March 31, 2020)

**Net Sales (Consolidated)** ¥900.6 billion (Year ended March 31, 2020)

### Executive

Executive Officers						
Michihiro Kitazawa	President and Chairman of the Board of Directors	General Management				
Kenzo Sugai	Executive Vice President and Elected Corporate Director	Assistant to the President, Sales Management				
Michio Abe	Senior Managing Executive Officer	Corporate General Manager, Production & Procurement Group, in charge of Power Generation Business				
Masatsugu Tomotaka	Senior Managing Executive Officer	In charge of Power Electronics Systems Energy Business and Power Electronics Systems Industry Business				
Junichi Arai	Senior Managing Executive Officer	Corporate General Manager, Corporate Management Planning Headquarters, General Manager, Export Administration Office, in charge of compliance management and crisis management				
Toru Housen	Managing Executive Officer	Corporate General Manager, Electronic Devices Business Group				
Takeshi Kadoshima	Managing Executive Officer	General Manager, Human Resources and General Affairs Office				
Yasuhiro Takahashi	Managing Executive Officer	Corporate General Manager, Food & Beverage Distribution Business Group				
Shiro Kondo	Managing Executive Officer	Corporate General Manager, Corporate R&D Headquarters				
Kenji Goto	Executive Officer	Deputy Corporate General Manager, Power Electronics Systems Energy Business Group				
Susumu Shinmura	Executive Officer	Corporate General Manager, Sales Group				
Masahiro Morimoto	Executive Officer	President and Chairman of the Board of Directors Fuji Electric FA Components & Systems Co., Ltd.				
Tadao Horie	Executive Officer	Corporate General Manager, Power Generation Business Group				
Masashi Kawano	Executive Officer	Corporate General Manager, Power Electronics Systems Energy Business Group				
Hiroshi Tetsutani	Executive Officer	Corporate General Manager, Power Electronics Systems Industry Business Group				
Yoshitada Miyoshi	Executive Officer	General Manager, President's Office, in charge of SDGs Promotion, Public and Investor Relations				
Masato Miyake	Executive Officer	General Manager, Legal Office Corporate Management Planning Headquarters				
Keiichi Asano	Executive Officer	Deputy General Manager, Food & Beverage Distribution Business Group				

## History

Fuji Electric continues to evolve in step with the times and society, with technology as its driving force.

### Company

#### 1923

1942

Fuji Electric Manufacturing Co., Ltd., established Established as a capital and technology alliance between Japan Furukawa Electric Co., Ltd., and German Siemens AG. The result is a company with characteristics inherited from industry in both countries

1925 Began operation of the Kawasaki Factory



"FS" mark

TO Y A

Began operation of the Matsumoto Factory 1943





1944 Began operation of the Mie Factory

1961 Began operation of the Chiba Factory

1968

Merged with Kawasaki Denki Seizo Co., Ltd., and commenced operations at the Kobe and Suzuka factories

1973 Began operation of the Otawara Factory

#### 1984

Changed company name to Fuji Electric Co., Ltd. 1991

Began operation of the Yamanashi Factory





2003 Changed company name to Fuji Electric Holdings Co., Ltd., owing to shift to pure holding company system

#### 2008

Fuji Electric FA Components & Systems Co., Ltd., merged operations with Schneider Electric Japan Ltd.

(Power distribution and control equipment joint venture)

#### 2011

Changed company name to Fuji Electric Co., Ltd. 2014

Created new corporate brand emblem for products



Emblem

2018

15

### Technology

Began manufacturing electric motor

Began transformer production

1924

1925

1927

1936

1937

1954

1959

1969

1971

1976

1985

1987

1991

1996

1998

2010

2012

2014

2015

1950~

1980~

2010-

Began electric fan production

Built first hydraulic turbine, 4,850 HP Francis Turbine

Began watt-hour meter production



Francis Turbin



Ultra-compact magnetic switch production



The first vending machines



Began ultra-compact magnetic

Began production of vending machines

Began manufacturing hybrid ICs

Began manufacturing general-purpose inverters

Released the programmable logic controller "MICREX-F Series"

Developed IGBT module

Developed 2.5-inch magnetic disks

Won order for IGBT main conversion devices used in electric railways (The world's first large-capacity flat IGBT)

Delivered 100 kW phosphoric acid fuel cell



Developed inverter equipped with next-generation power semiconductor SiC-SBD, a first in Japan

Launched power electronics equipped with SiC power semiconductors

Launched steam-generation heat pumps

Began manufacturing exhaust gas cleaning systems for ships



General-purpose inverters

Flat IGBT



Inverters equipped with power semiconductor SiC-SBD





Power conditioning systems for high-capacity mega solar use

Exhaust gas cleaning systems for ships



## Global Network (As of August 2020)

Fuji Electric supplies products to customers across the globe through its more than 120 bases located in roughly 20 countries worldwide, and also offers support by utilizing its global network.





### Service Offices

Hokkaido Region Tomakomai Service Center Obihiro Service Center Kushiro Service Center

#### Kanto / Koshinetsu Region Shin Yokohama Service Center Kashima Service Center Hitachinaka Service Center Matsumoto Service Center

Mie Service Center

Hokuriku / Chubu Region Niigata Service Center Fukui Service Center

Shizuoka Service Center

Kansai Region Tsuruga Service Center Sennan Service Center

#### Chugoku / Shikoku Region

Shunan Service Center Yamaguchi Service Center Fukuyama Service Center Matsuyama Service Center Kochi Service Center Tokushima Service Center

Kyushu / Okinawa Region Kokura Service Center Kagoshima Service Center





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F-Fuji Electric Co., Ltd.

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