

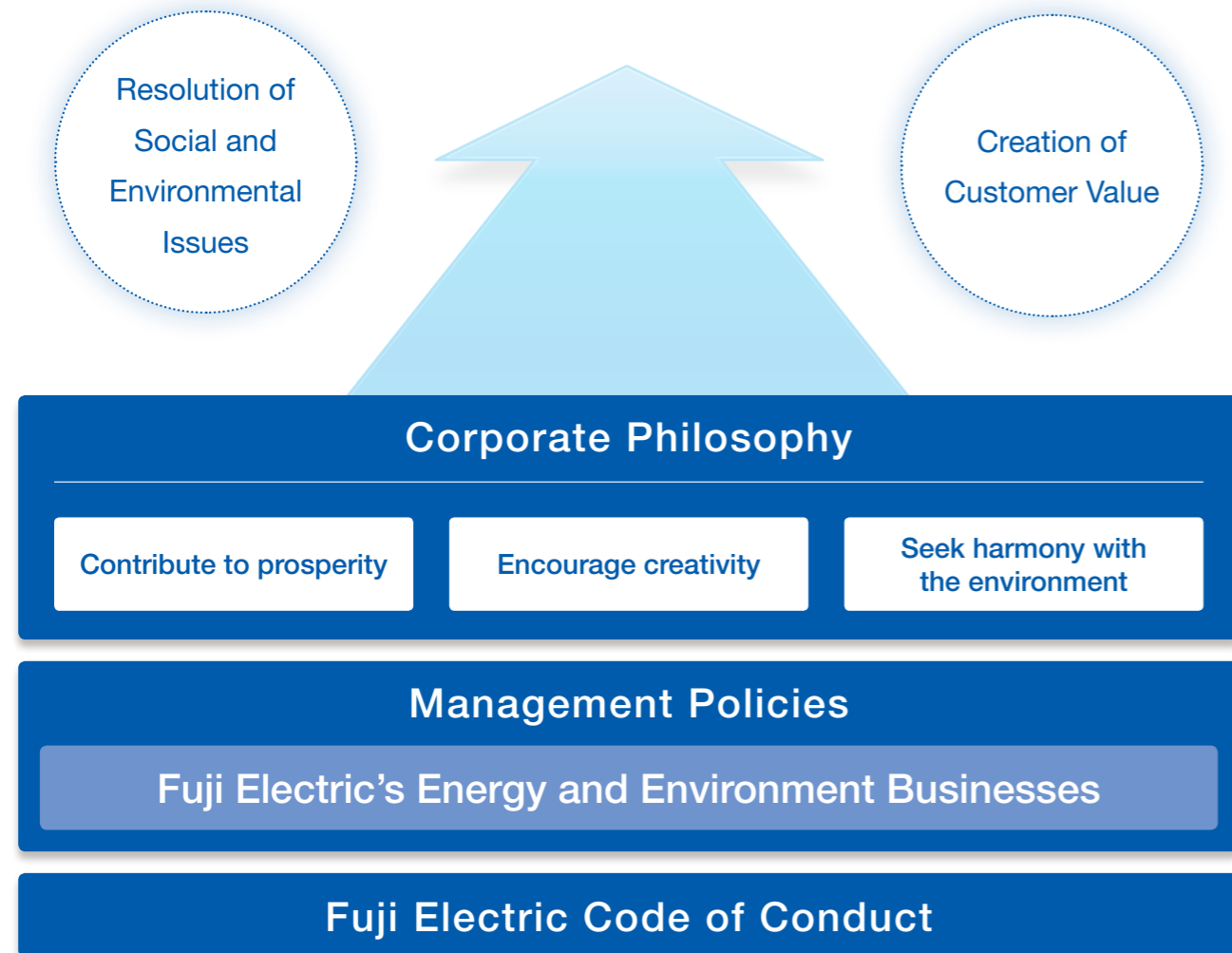
# Corporate Philosophy and Management Policies

Fuji Electric's corporate philosophy hinges on a mission to contribute to prosperity, encourage creativity, and seek harmony with the environment, while the Company's management policies are centered on the notion of contributing to society through its energy and environment businesses.

By putting this corporate philosophy and management policies into practice based on its Corporate Code of Conduct, which sets forth guidelines for the conduct of employees, Fuji Electric and its employees, together with customers and business partners, will aim to resolve social and environmental issues, create customer value, achieve the SDGs, and contribute to the creation of a responsible and sustainable society.



## The Creation of a Responsible and Sustainable Society



## Corporate Philosophy

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

Contribute to prosperity

Encourage creativity

Seek harmony with the environment

Slogan To be enthusiastic, ambitious and sensitive.

## 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.

## Fuji Electric Code of Conduct

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.

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|--|---|
| 1 Respect and value all people                     | 6 Respect and value interaction with society            |
| 2 Respect and value our customers                  | 7 Make global compliance a top priority                 |
| 3 Respect and value our business partners          | 7-1 Thorough compliance                                 |
| 4 Respect and value our shareholders and investors | 7-2 Thorough risk management                            |
| 5 Respect and value the global environment         | 8 Top management will thoroughly practice this standard |

## 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.

# Fuji Electric's Energy and Environment Businesses

Numerous changes are taking place in the environment that envelops Fuji Electric, including global warming, the frequent occurrence of natural disasters, problems surrounding resources and energy, and aging industrial and social infrastructure.

We will ceaselessly pursue synergies between our core power semiconductor and power electronics technologies and combine high-quality equipment employing key devices with our engineering services, optimal control technologies, and IoT know-how honed thus far. In this way, we aim to help solve issues for customers in industrial and social infrastructure fields, address social and environmental problems, and contribute to the achievement of a sustainable society.



Internet of Things (IoT): A new framework for fundamentally revolutionizing business and lifestyles by connecting various objects to networks and enabling them to achieve optimal, autonomous control of one another.



# Value Creation at Fuji Electric

Ever since our establishment in 1923, Fuji Electric has been an innovator of electric and thermal energy technologies. By capitalizing on the technology with which we can wield control—i.e., creating, measuring (sensing technologies), controlling (control technologies), converting (power electronics technologies), and optimizing electricity—we contribute to clean energy, stable supply of energy, automation, and energy saving.

saving. Going forward, we will continue to address the energy and environmental issues of our customers by leveraging the technological and engineering capabilities we have honed thus far together with our extensive track record of deliveries to a broad range of customers.

## Clean energy



Muara Laboh Geothermal Power Plant in Indonesia  
Power generation capacity equivalent to the power usage of 420,000 households on the Indonesian island of Sumatra  
(Source: Sumitomo Corporation website)

**CO<sub>2</sub> reductions**

CO<sub>2</sub> reductions (FY2019)\*<sup>1</sup>

Geothermal power generation Approx. <b>5,000</b> thousand t-CO <sub>2</sub>	Hydro power generation Approx. <b>1,000</b> thousand t-CO <sub>2</sub>	Fuel cells Approx. <b>50</b> thousand t-CO <sub>2</sub>
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Boasting the leading global share\*<sup>2</sup> in geothermal power generation, an extensive domestic delivery track record in hydro power generation and solar power generation systems, and the first-ever commercialized fuel cells for industrial application, we deliver a whole host of clean energy sources and contribute to the local production and local consumption of energy from distributed power sources. We also have the equipment and systems capable of achieving optimum operation of renewable energy, and we contribute to the effective utilization of energy by harnessing the power supply/demand prediction technology and know-how cultivated through numerous demonstration projects.

- Key delivery track record**
  - Geothermal power generation: 85 units (approx. 3.2 GW)
  - Hydro power generation: 444 units (approx. 5.2 GW)
  - Fuel cells: 99 units
- Key demonstration projects**
  - Microgrid system for isolated islands (six islands in Kagoshima Prefecture; three islands in Okinawa Prefecture)
  - Industrial parks (India, Indonesia)
  - Kitakyushu, Fukuoka Prefecture
  - Soma IHI Green Energy Center (Soma, Fukushima Prefecture)

## Stable energy supply



All-inclusive provision of highly reliable and highly efficient electric equipment for data centers, from system design through to installation and maintenance services

**Stable supply  
High efficiency**

Large-capacity UPS.  
Highly efficient and compact.



Substation equipment

**Stable supply  
GHG reductions**

Environmentally friendly C-GIS (Gas-insulated switchgear)

We contribute to the stable supply of energy for customers in various industries mainly with uninterruptible power systems (UPSs) for data centers, large-capacity rectifier transformers (top global share) for non-ferrous metals, and substation equipment for steel, chemicals, electrical machinery, precision equipment, and railway industries. We also contribute to the prevention of global warming by providing environmentally friendly cubicle-type gas-insulated switchgear (C-GIS) products that help reduce greenhouse gas (GHG) emissions without the use of SF<sub>6</sub> gas.

- Key delivery track record**
  - Substation equipment: Transformers: 2,450 units or more; Switchgear: 11,000 units or more
  - Large-capacity rectifier transformers: Approx. 27.5 GW

## Automation



**Never stops**

We delivered an assembly process data collection system to the variable compression ratio engine (VC-Turbo) production line of Nissan Motor Co., Ltd. Data from each process is collected automatically.

The OnePackEdge assembly process data collection system contributes to productivity improvements through cause analysis for problems with their production equipment and generation of defects.

This system is capable of achieving a production line that never stops through cause analysis for problems with their production equipment and generation of defects. We help customers make quality and productivity improvements in automated production lines by providing a single package for collecting and analyzing various data, such as temperature, pressure, vibration, operation, and quality information.



**Labor saving**

Convenience stores are currently struggling to secure enough manpower. We contribute to labor saving by offering two-way cases that function as a showcase when the store is open and as a vending machine after hours, as well as automatic change dispensers for self-checkout registers.

## Energy saving



**CO<sub>2</sub> reductions**

We delivered main power converters equipped with a next-generation power semiconductor (SiC) for Central Japan Railway Company's latest high-speed rail model, thus lightening the weight of the railcars.



Compared with Si, SiC power semiconductor modules contribute to a 30% reduction in CO<sub>2</sub> emissions caused by power loss.

CO<sub>2</sub> reductions (FY2019)\*<sup>1</sup>  
Power semiconductors  
Approx.  
**5,000**  
thousand t-CO<sub>2</sub>



**CO<sub>2</sub> reductions**

We delivered a set of around 700 inverters to Singapore's Outram Community Hospital. The inverters control the fans and pumps used for air conditioning and ventilation to optimize airflow and water consumption, saving energies.



CO<sub>2</sub> reductions (FY2019)\*<sup>1</sup>  
Low-voltage inverters  
Approx.  
**1,800**  
thousand t-CO<sub>2</sub>

The FRENIC-HVAC low-voltage inverter is the first in the industry to be accredited as environmentally friendly by a third-party organization (UL/EPD).

Power semiconductors efficiently control electricity. They are mounted inside power electronics systems, such as inverters that control motor rotation, thereby contributing to energy saving in industrial equipment and factories. In the power semiconductors industry, Fuji Electric ranks third in terms of the global share of IGBT modules for industrial applications and commands the top share of inverters in Japan.

\*1 CO<sub>2</sub> reductions (FY2019) are based on 12 months of operation for products delivered between FY2009 and FY2019 \*2 Since 2000