

Contributing to the Reduction of Greenhouse Gas Emissions

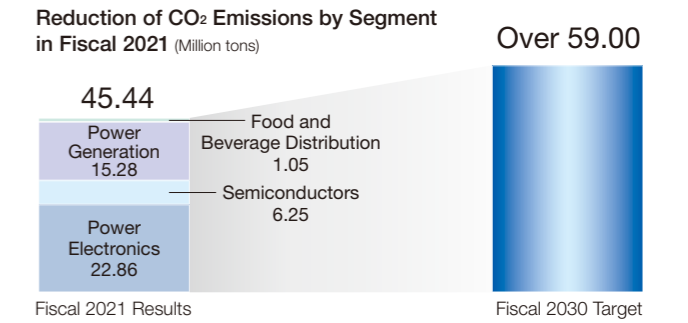
To reduce greenhouse gas emissions, energy suppliers have been promoting the use of clean energy, and energy consumers have been promoting energy saving, electrification, and power-source distribution through the introduction of private power generation facilities.

Fuji Electric's strengths lie in our ability to develop and manufacture power semiconductors—energy saving key devices—and to then provide comprehensive services featuring power electronics equipment using such semiconductors, systems comprised of these pieces of equipment, and engineering work.

We therefore contribute to the reduction of greenhouse gas emissions throughout the supply chain, on both the energy supply and demand sides.

Reducing society's CO₂ emissions through our products

To help limit the rise of Earth's temperature to no more than 1.5°C compared to pre-industrial levels, Fuji Electric has defined goals of reducing society's CO₂ emissions through its products, and we conduct corporate activities accordingly. (For details, please refer to *Environment* on P33.)



Supply side



Power companies and power producers

Power Generation

Reduction of CO₂ emissions
15.28 million tons

Making clean energy mainstream

We have a broad clean energy lineup, including geothermal, hydro, solar, wind, and fuel cells. By combining the above with the technologies that enable the stable supply of renewable energy to help expand the use of clean energy and distributed power sources.



Geothermal power



Solar power

Power Electronics

Stabilizing the energy supply

Through package proposals for data centers, factories, and others that include both the supply and maintenance of a wide range of products and systems, including highly efficient uninterruptible power systems and environmentally friendly substation equipment, we contribute to the stable supply and optimization of power as well as the reinforcement of industrial infrastructure.



Substation equipment



Monitoring and control systems for power grids



Energy management systems (EMS)



Power storage systems



Uninterruptible power systems



Power conditioning systems

Optimizing and increasing the efficiency of the energy supply-demand balance through AI

Thanks to our efforts related to smart community demonstration projects both in sophisticated power grid operations, and our strengths include technologies for We capitalize on our analytics and AI technologies—for which we boast an extensive

Demand side



Factories



Facilities



Ports



Automobiles



Railways

Semiconductors

Reduction of CO₂ emissions
6.25 million tons

Food and Beverage Distribution

Reduction of CO₂ emissions
1.05 million tons

Spreading energy-efficient equipment and systems

We help factories, buildings, facilities, and others save energy through energy saving proposals, including the visualization of energy saving issues by utilizing measuring and control technologies we have developed over the years as well as effective use of power electronics equipment with our highly efficient power semiconductors, drive control systems, and thermal energy.



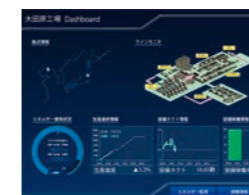
Inverters



Motors



Semiconductors



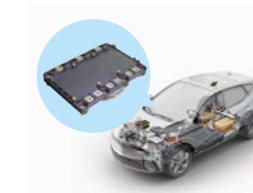
EMS solutions



Hybrid heat pump vending machines



Non-leak showcases



Power semiconductors for electrified vehicles



Electric propulsion systems for vessels