

Environmental Initiatives of Mitsubishi Electric Corporation

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MITSUBISHI ELECTRIC CORPORATION

Overview of Mitsubishi Electric

President & CEO: Takeshi Sugiyama
Established: January 15, 1921

Capital Stock: ¥ 175.8 Billion
Consolidated Sales: ¥ 4.43 Trillion
Employees: 142,340
As of March 31, 2018

Energy and Electric Systems ¥ 1,242 Billion



Industrial Automation Systems ¥ 1,445 Billion



Information and Communication Systems



¥ 436 Billion

Electric Devices ¥ 202 Billion



Home Appliances ¥ 1,049 Billion



Management Philosophy

- Enhancing the quality of life -

Corporate Mission

Mitsubishi Electric Group will continually improve its technologies and services by applying creativity to all aspects of its business. By doing so, we enhance the quality of life in our society.

Embodiment of the Corporate Mission

“Global, leading green company”
Contribute to realization prosperous society that simultaneously achieves “Sustainability” and “Safety, Security and Comfort”

Growth targets to be achieved by 2020
Net sales 5 trillion JPY or higher
OPM 8% or higher

Initiatives to Create Value

Provide Products, Systems, and Services Globally

Make strong business stronger

Technology synergies/
Business synergies

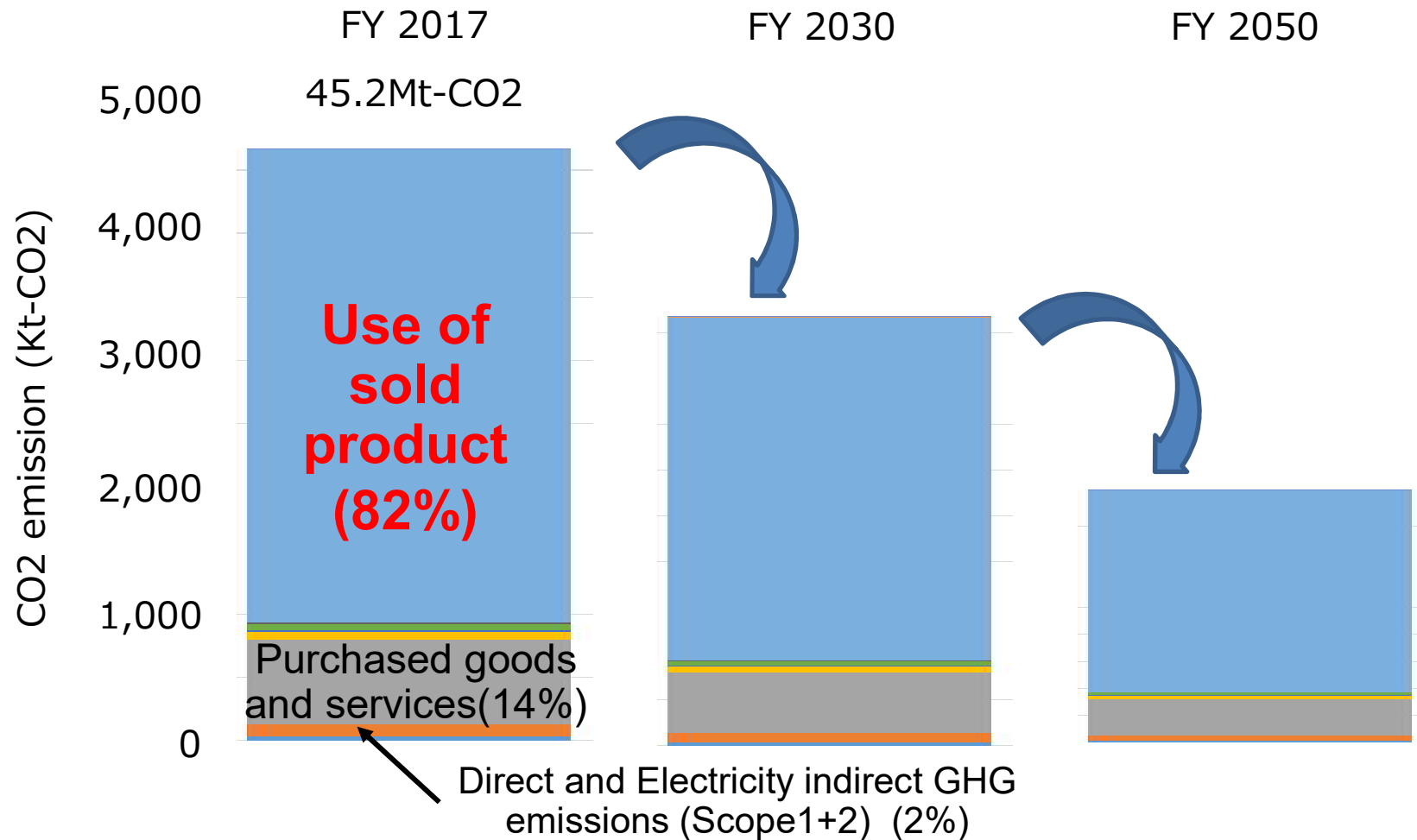
Contemporary Challenges in Society

Environmental issues

Resource/energy issues

Reduction of CO2 emissions through business


In our business, the amount of CO2 emitted at the time of product use accounts for 82%, and energy saving of products is an important issue. We will challenge to contribute to climate warming suppression through energy saving of products.



Initiatives for Achieving a Low-Carbon Society

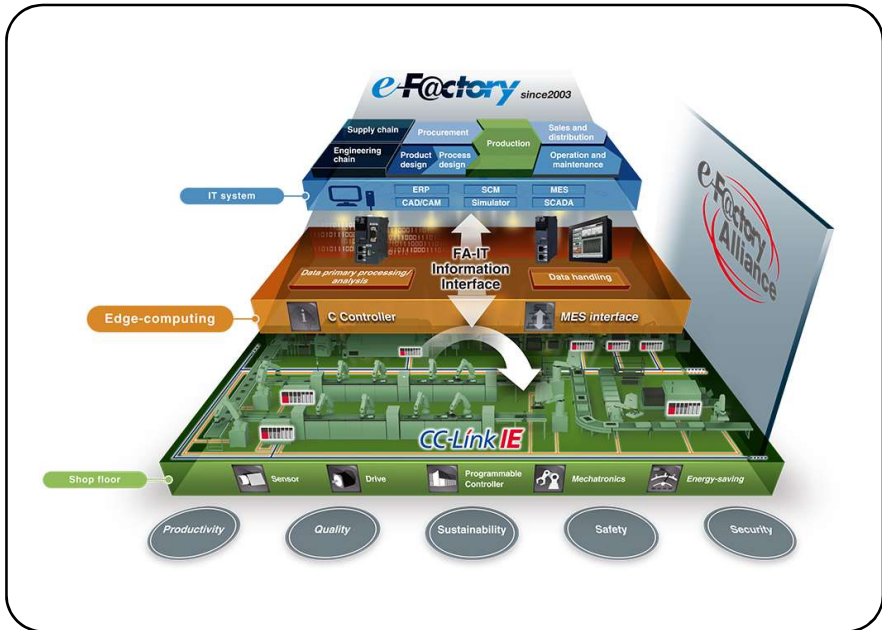


Reducing CO₂ emissions during product usage by improving energy-saving performance

Achieving energy efficiency in semiconductors, consumer electronics, industry, and other fields



Full SiC power semiconductor module

Contributed to the miniaturization and energy conservation of power electronic devices by drastically reducing electric power loss,

Move Eye mirA.I.

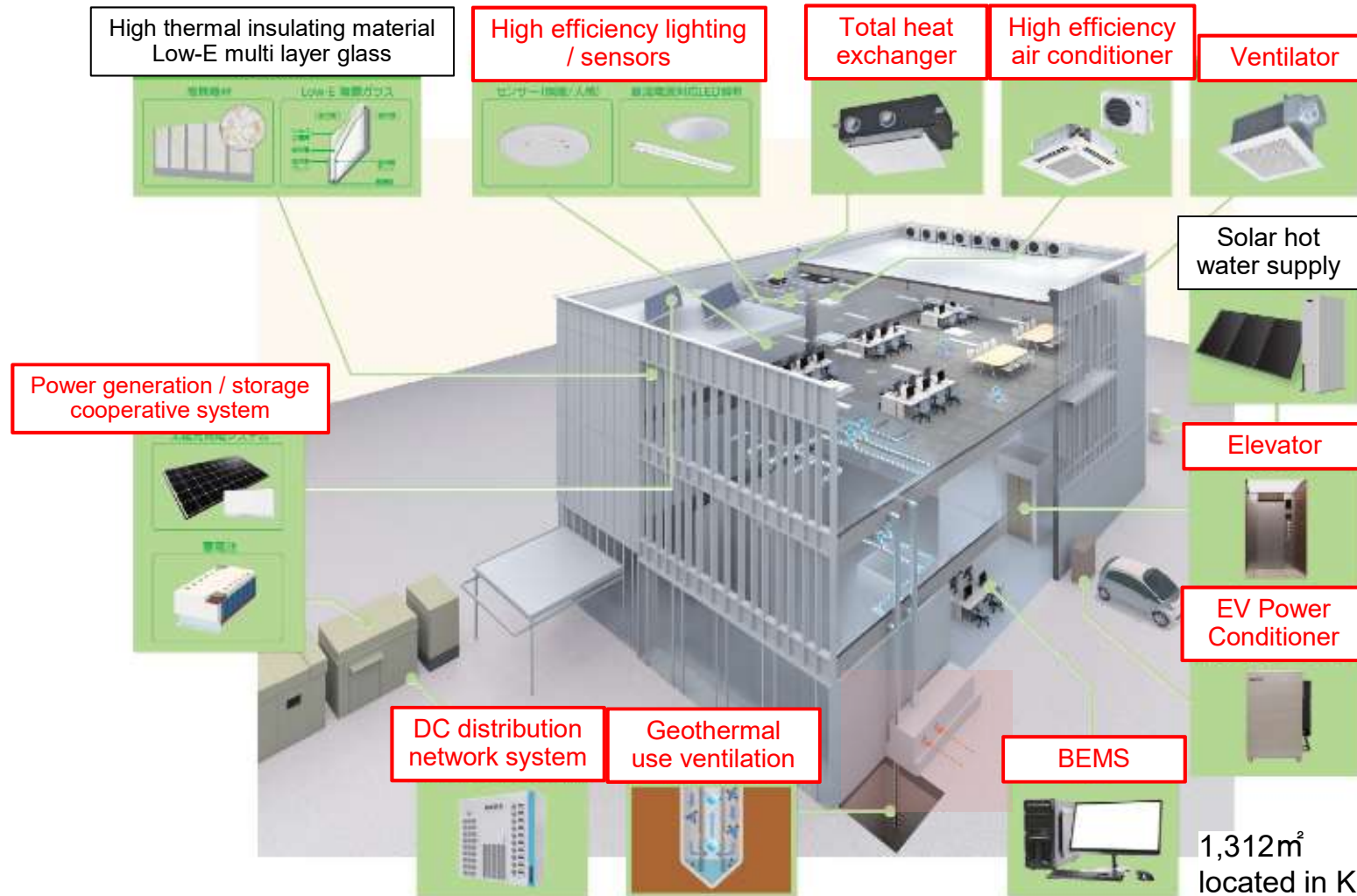
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SMART QUALITY

Room Air Conditioner Kirigamine FZ Series

- Equipped with “Move Eye mirAI,” which analyzes home performance based on room temperature time series data through AI technology and predicts upcoming changes in effective temperature
- With both high energy conservation and comfort, this series **won the “Minister of Economy, Trade and Industry Award,” the highest award in the FY2017 Energy Conservation Awards**

ZEB design with applying MELCO products

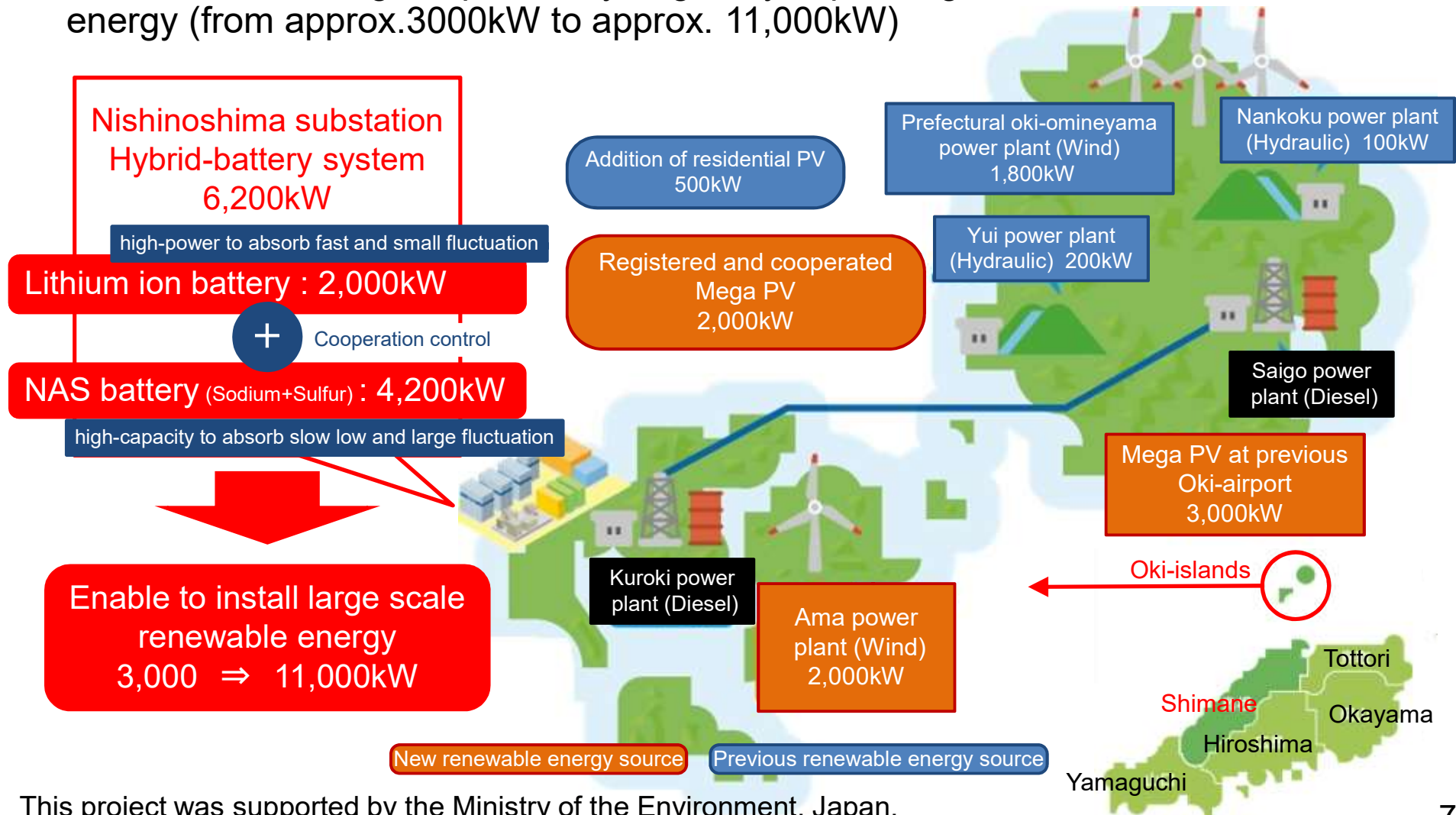
- Renewed building damaged by the Kumamoto earthquake to ZEB.
- DC distribution network system adopted for the first time in office use buildings.
- By introducing energy-saving products of our company, we realize 54% energy saving, and adding PV can reduce 70% electricity.



Hybrid Storage Battery System (2015-2018)

Chugoku Electric Power “Hybrid Storage Battery System Verification Project in the Oki Islands”

- Cooperative control of storage batteries with different characteristics, achievement of a high-power and high-capacity “hybrid storage battery system”
- Resulted in creating the possibility of greatly expanding introduction of renewable energy (from approx.3000kW to approx. 11,000kW)

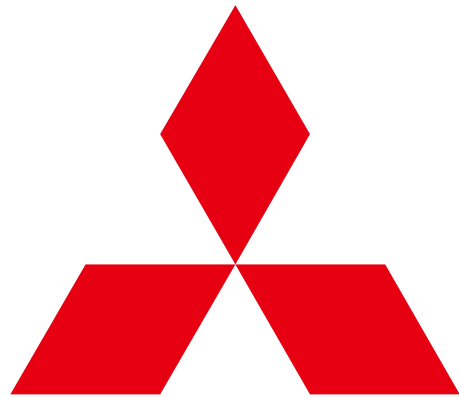


This project was supported by the Ministry of the Environment, Japan.

Summary

As a “Global, Leading green company”, Mitsubishi Electric Corporation contributes to the achievement of an affluent society that balances “sustainability” with “safety, security and comfort”.

We have been supplying products with energy saving performance to a wide range of product groups so far, In the future, we will contribute to the coming climate warming suppression by products that can achieve further technological innovation and realize substantial energy conservation.



**MITSUBISHI
ELECTRIC**

Changes for the Better