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Mitsubishi Electric's Power Device Works to Construct New Plant

Will strengthen company's production system as primary facility for power module assembly



Rendition of planned facility

TOKYO, November 20, 2024 – [Mitsubishi Electric Corporation](https://www.mitsubishielectric.com) (TOKYO: 6503) announced today that it will invest approximately 10 billion yen to construct a new facility for the assembly and inspection of power semiconductor modules at its Power Device Works in Fukuoka Prefecture, Japan. The plant, which was originally [announced on March 14, 2023](#), is scheduled to begin operations in October 2026.

As the primary facility for assembling and inspecting power semiconductor modules, the plant will consolidate previously dispersed assembly and inspection production lines within the site to streamline production, from the incoming of components through manufacturing and final shipment. New systems will be implemented to automate the management of manufacturing processes and the transportation of products for improved productivity. In addition, the company's integrated system covering everything from design, development and production technology verification to manufacturing will be strengthened to enhance product development.

Mitsubishi Electric expects the new plant to support its rapid and stable supply of products to meet market needs in response to the anticipated increases in demand for power semiconductors. As a result, the company envisions contributing to the energy efficiency of power-electronics devices in various applications, as well as the Green Transformation (GX).

In connection with the construction of the new plant, Fukuoka Prefecture has designated Mitsubishi Electric for the second time as a corporate entity of the Green Asia International Strategic Comprehensive Special Zone. By utilizing the preferential incentives of this special zone, Mitsubishi Electric will be able to strengthen the production capabilities of its Power Device Works' new plant in Fukuoka Prefecture.

Outline of New Facility

Location	Imajuku 1-1-1, Nishi-ku, Fukuoka City, Fukuoka Prefecture, Japan
Building	25,270m ² total floor area, 5 floors
Processes	Assembly and inspection
Environment	<ul style="list-style-type: none"> •High-efficiency ventilation air conditioning system in clean room •High-efficiency transformers and package air conditioners •Solar power generation equipment
Startup	October 2026
Investment	About 10 billion yen

Power semiconductors for the efficient conversion of electricity are increasingly in demand as key devices for the realization of a decarbonized society. In particular, power semiconductor modules contribute to inverter designs in terms of compactness, weight reduction and simplification, and are used in applications such as electric vehicles, consumer appliances, industrial equipment, renewable energy devices and railway traction systems, markets where demand is expected to continue growing.

Designation as Corporate Entity of Green Asia International Strategic Comprehensive Special Zone

The Green Asia International Strategic Comprehensive Special Zone, one of several International Strategic Comprehensive Special Zones designated by the Japanese government, is designed to harness Asia's vitality and enhance the competitiveness of industries focused on the environment. The initiative is a joint effort involving Fukuoka Prefecture, Kitakyushu City and Fukuoka City. Mitsubishi Electric's development and manufacture of power semiconductors that contribute to global decarbonization is in line with the zone's goal of serving as a production base for environmentally friendly, high-performance and cost-effective products, which led to the company's designation as a corporate entity of this special zone.

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About Mitsubishi Electric Corporation

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its "Changes for the Better." The company recorded a revenue of 5,257.9 billion yen (U.S.\$ 34.8 billion*) in the fiscal year ended March 31, 2024. For more information, please visit www.MitsubishiElectric.com

*U.S. dollar amounts are translated from yen at the rate of ¥151=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2024