

**MITSUBISHI ELECTRIC CORPORATION**  
**PUBLIC RELATIONS DIVISION**

7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-8310 Japan

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**No. 3801**

*Customer Inquiries*

*Media Inquiries*

Global Strategic Business Planning & Marketing Dept., Public Relations Division  
Semiconductor & Device Marketing Div. A  
Mitsubishi Electric Corporation

Mitsubishi Electric Corporation

[www.MitsubishiElectric.com/semiconductors/](http://www.MitsubishiElectric.com/semiconductors/)

[prd.gnews@nk.MitsubishiElectric.co.jp](mailto:prd.gnews@nk.MitsubishiElectric.co.jp)  
[www.MitsubishiElectric.com/news/](http://www.MitsubishiElectric.com/news/)

**Mitsubishi Electric and GE Vernova to Strengthen Cooperation  
on Power Semiconductors for HVDC Transmission Systems**

**TOKYO, June 10, 2025** – [Mitsubishi Electric Corporation](https://www.mitsubishielectric.com) (TOKYO: 6503) announced today that it has signed a memorandum of understanding (MOU) with GE Vernova, Inc., headquartered in Cambridge, Massachusetts, USA, to strengthen their cooperation on power semiconductors for high-voltage direct-current (HVDC) transmission systems. The agreement is a result of the “Japan-US focus group to enhance collaboration on energy security and supply chain,” an initiative organized by Japan’s Ministry of Economy, Trade and Industry (METI) and GE Vernova to promote increased corporate collaboration between the two countries.

The deployment of power generation systems that utilize renewable energy sources such as wind and solar power has been expanding worldwide in support of global decarbonization. Accordingly, demand is increasing for HVDC transmission systems, which transmit large amounts of generated electricity over long distances more stably and efficiently than alternating current (AC) transmission systems. Voltage source converter (VSC) HVDC transmission systems are noteworthy for their capability to stabilize power grids for efficient, long-distance transmission of large volumes of electricity, even when combined with power generation systems that use inherently unstable renewable energy sources. The global market for these systems is growing rapidly. Mitsubishi Electric holds the top global market share\* in power semiconductors for VSC HVDC transmission systems and is advancing the development of the insulated gate bipolar transistor (IGBT), which provides high reliability, high voltage resistance, and large current capacity. Going forward, Mitsubishi Electric aims to further expand its HVDC transmission systems business by increasing production capacity to meet rapidly expanding market demand.

With the signing of this memorandum, Mitsubishi Electric will provide a stable and continuous supply of IGBT power semiconductors for GE Vernova’s VSC HVDC transmission systems. Through strengthened technical and strategic cooperation with GE Vernova, Mitsubishi Electric aims to leverage the expertise and strengths of both companies to support the evolution of the power grid and meet the growing demand for electricity.

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\* Mitsubishi Electric’s estimate, as of June 10, 2025, for VSC HVDC transmission system power modules (FY24 actual).

### **About GE Vernova**

GE Vernova is a planned, purpose-built global energy company that includes Power, Wind, and Electrification businesses and is supported by its accelerator businesses of Advanced Research, Consulting Services, and Financial Services. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with more than 80,000 employees across 100+ countries around the world.

GE Vernova's mission is embedded in its name – it retains its legacy, “GE,” as an enduring and hard-earned badge of quality and ingenuity. “Ver” / “verde” signal Earth's verdant and lush ecosystems. “Nova,” from the Latin “novus,” nods to a new, innovative era of lower carbon energy. Supported by the Company Purpose, The Energy to Change the World, GE Vernova will help deliver a more affordable, reliable, sustainable, and secure energy future. Learn more: [GE Vernova](#) and [LinkedIn](#).

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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 5,521.7 billion yen (U.S.\$ 36.8 billion\*) in the fiscal year ended March 31, 2025. For more information, please visit [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)

\*U.S. dollar amounts are translated from yen at the rate of ¥150=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2025