

PRESS RELEASE

Mitsubishi Electric's Semiconductor European Business Group awarded by Siemens Mobility with Supplier Award "Moving Beyond"

Ratingen, October 17th, 2022 – Mitsubishi Electric's Semiconductor European Business Group has been awarded by Siemens Mobility with the supplier award in the prestigious category "Moving Beyond". The decisive factor for winning this award was the development of a 3300 V Silicon Carbide Power Module to enable sustainable railway vehicle solutions for Siemens Mobility. Michael Peter, CEO of Siemens Mobility GmbH, explained during the award ceremony that the implementation of Mitsubishi Electric's 3300 V Silicon Carbide Power Semiconductor Module reduces the overall energy consumption of a train by 10%. "Mitsubishi Electric is setting new benchmarks with its Silicon Carbide technology and making an important contribution to the decarbonization of Siemens Mobility's rail vehicles", Michael Peter added. The award ceremony took place during the Innotrans trade fair on September 23, 2022 in Berlin.



Mitsubishi Electric's 3.3 kV Full/Hybrid SiC Power Module for Traction Inverters



Supplier award ceremony "Moving Beyond" at Innotrans 2022:

Michael Peter (middle), CEO Siemens Mobility GmbH, Toshiro Fujimura (right), Division Manager, Philipp Ritters (left), Global Key Account Manager, both Mitsubishi Electric Europe B. V., Semiconductor

Power semiconductors based on Silicon technology are used in railway vehicles from trams to high-speed trains for a long time. Silicon Carbide is continuously replacing conventional silicon power semiconductors in medium- and high-power applications. Silicon Carbide is a technology which enables manufacturers already today to develop highly efficient traction inverters, that are required for Hydrogen and battery driven trains, which replace old Diesel locomotives on not

electrified railway lines. The regional train Mireo Plus B of Siemens Mobility is already contributing to this in the Baden-Württemberg town of Ortenau.

Our society faces the crucial task of accelerating decarbonization worldwide in all areas of transportation with urgency. With its Green Deal, the European Union has committed to becoming the first climate-neutral continent by 2050 with intermediate targets by 2030. This requires a high degree of electrification and the substitute of fossil fuels. This continuous transition must already take place today.

Strong partnerships of manufacturers and suppliers along the entire supply chain are needed to realize this transition. As a supplier of power semiconductors as key components, it is Mitsubishi Electric Semiconductor's utmost objective to enable customers to bring efficient and sustainable solutions and products to market.

About Mitsubishi Electric

With more than 100 years of experience in providing reliable and high-quality products, Mitsubishi Electric Corporation (TOKIO: 6503) is a globally recognized leader in the manufacturing, marketing and sales of electrical and electronic equipment for information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, mobility and building technology. Following "Changes for the Better," Mitsubishi Electric strives to enrich society with technology. The company had consolidated sales of \$36.7 billion* at the end of the fiscal year on March 31, 2022. For more information, visit: www.MitsubishiElectric.com

* U.S. dollar amounts are converted at an exchange rate of 122 yen for 1 U.S. dollar, the approximate exchange rate on the Tokyo Foreign Exchange as of March 31, 2022.

Sales offices, research companies and development centers, and manufacturing facilities are located in more than 30 countries. Mitsubishi Electric has been represented in Germany since 1978 as a branch of Mitsubishi Electric Europe. Mitsubishi Electric Europe is a wholly owned subsidiary of Mitsubishi Electric Corporation in Tokyo.

Further information can be found at

<https://www.meu-semiconductor.eu/>

<http://www.MitsubishiElectric.de>

<http://global.mitsubishielectric.com>

Contacts for journalists

Mitsubishi Electric Europe B.V.

Corinna Meyer

Coordinator Marketing Communications

Semiconductor – European Business Group

Phone: +49-(0)2102-486 5270

Email: corinna.meyer@meg.mee.com