

Press release

Mitsubishi Electric unveils new technologies for sustainable rail transport at InnoTrans 2024

RATINGEN, September 12, 2024 – Mitsubishi Electric will be showcasing a wide range of cutting-edge rail technology at InnoTrans 2024 under the theme “Moving into Sustainable Society”. InnoTrans is the largest international trade fair for transport technologies, held every two years in Berlin, Germany. This year, transport technology experts will meet again from September 24 - 27 at Berlin ExpoCenter.

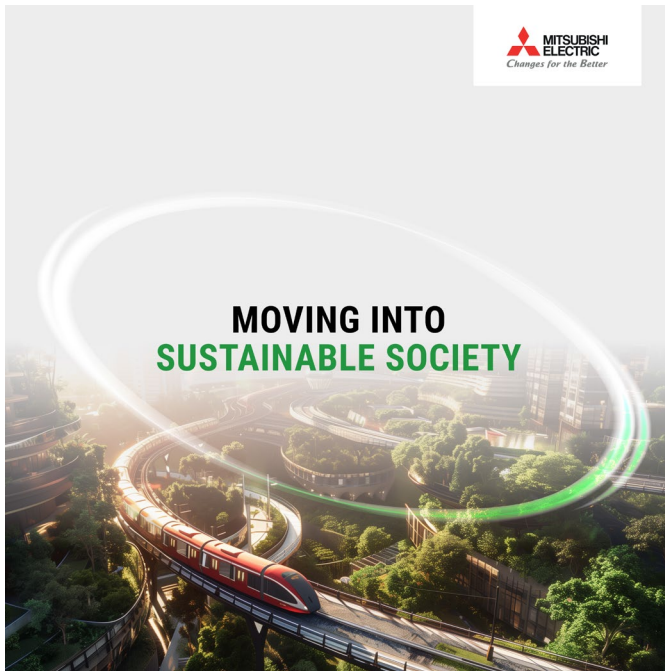
Through the concept "Transport System Solutions towards Sustainable Society," Mitsubishi Electric aims to address key social challenges, including CO2 neutrality, energy saving, circular economy, safety and security within the transport sector. The solutions presented are specifically designed to enhance the sustainability of trains throughout every stage of their lifecycle, from new-built to maintenance and refurbishment. By focusing on these key areas, Mitsubishi Electric is committed to driving the transition towards a more sustainable and resilient transport infrastructure.

At InnoTrans, Mitsubishi Electric will present a variety of technologies related to EMS(Energy Management Systems) to optimize the use of surplus energy in multiple settings. Among the featured innovations is the Innovative Energy Storage Module, a versatile solution suitable for battery trains, battery trams, electric buses, and energy storage stations with high power density, quick charge and long lifespan. [Innovative Energy Storage Module - Mitsubishi Electric Railway : Mitsubishi Electric Railway \(mitsubishielectric-railway.eu\)](#)

A notable product exhibit will be the newly developed "Compact Traction Inverter" This advanced propulsion system innovatively separates the conventional traction inverter box into a more compact traction inverter box and a contactor box. It includes a minimized control module within the traction inverter box, enabling a more effective use of underframe space. This design not only optimizes spatial efficiency but also enhances the overall performance and reliability of the propulsion system.

More items and solutions from Mitsubishi Electric at InnoTrans 2024:

- **S-EIV (Station Energy Saving Inverter)**
When power generated by trains during braking cannot be fully used by other trains, S-EIV supplies the surplus regenerative energy to electrical equipment in station buildings for significant energy savings. [Videos | Transportation Systems | Mitsubishi Electric](#)
- **LMS (Lifecycle Management Solution)**
LMS supports end-users in real-time monitoring, corrective and preventive maintenance, helping to avoid malfunctions that could impact availability and safety, and to improve the quality and efficiency of maintenance work. [Mitsubishi Electric ADVANCE Vol.185 “Innovative Transport System Solutions toward New Social Issues on Railway Business”](#)



The booth of Mitsubishi Electric is located in hall 9b, no. 440.

About Mitsubishi Electric

With more than 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation 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 34.8 billion US dollars* in the fiscal year ended March 31, 2024. Sales offices, research companies, development centers and production facilities can be found in over 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.

** Exchange rate 151 yen = 1 US dollar, as at 31 March 2024 (source: Tokyo Foreign Exchange Market)*

The German branch of Mitsubishi Electric has been training wholesale and foreign trade and IT clerks for many years. In addition, a dual study programme in the fields of air conditioning systems technology and mechatronics has been offered since 2016.

Further information:

<http://www.MitsubishiElectric.de>

<http://www.MitsubishiElectric.com>

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