

WE ARE GETTING TECHNOLOGY ON TRACK.

Our technology is to be used in the future Rhine-Ruhr Express as well as many other rail projects in Europe.

Mitsubishi Electric is not only one of the market's leading provider of air-conditioning systems for railways in the Japanese market, it is also delivering these systems for the Rhine-Ruhr Express (328 air-conditioning systems for the total of 164 center coaches in 82 train units). And it has been on the path to success in Germany and Europe ever since. The RRX runs superbly – with our air-conditioning technology



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Mitsubishi Electric has been awarded the contract to deliver air-conditioning systems to Siemens AG for the Desiro HC (Desiro High Capacity) electric trains. The trains are used on the Rhine-Ruhr Express network that connects cities and communities in the whole of North Rhine-Westphalia. In total, Mitsubishi Electric is to deliver 328 air-conditioning systems for the 164 total center coaches in 82 train units. At the same time, this is the first order from Siemens AG to Mitsubishi Electric to provide air-conditioning for rail vehicles.

Siemens particularly valued the high levels of reliability and wide-reaching experience of such systems as Mitsubishi Electric had to offer.

"From a worldwide perspective, Mitsubishi Electric has the greatest demand for its products in Europe." This order enables us not only to strengthen our position on the European continent, but also to develop our relationships with vehicle

manufacturers, operators and local customers", says Tetsuya Takahashi, Product Marketing Director of the Transportation Systems Division. Mitsubishi Electric Europe B.V. opened this business division in April 2014 in Europe with a view to strengthening regional sales and customer service. Mitsubishi Electric Klimat Transportation Systems S.p.A. was established at the same time both to manufacture locally and to ensure the provision of the best possible customer care when operating these systems in Europe. In addition, in the same year, Mitsubishi Electric also purchased a 49% share in the Polish company MEDCOM Sp. Z o.o., a railway industry supplier of equipment to power stationary vehicles and on-board electrical systems. On April 1, 2017, Transportation Systems moved to the German headquarter in Ratingen because Germany is where Mitsubishi Electric sees the greatest demand for its products in Europe. By the way: Mitsubishi Electric is the only manufacturer that is able to provide an extensive product portfolio comprising everything from drive and braking systems to control management equipment.

This innovative technology includes energy-saving traction transformers and traction converters that – in terms of power – provide 40% energy savings compared to earlier systems, thereby reducing carbon emissions during transportation, as well as converters that provide energy savings at train stations by transferring excess energy from the regenerative brakes to lighting and air-conditioning systems, elevators and other facilities at stations.

In 2014, Mitsubishi Electric received an order for drive systems from the Deutsche Bahn AG. Mitsubishi Electric is also the first Japanese manufacturer of traction transformers to receive certification according to the rules of the International Railway Industry Standard (IRIS certification).

Mitsubishi Electric's expectations for the future are of steady expansion of its activities in the area of transportation systems in Europe and Germany.

