

Mireo Lausitz Regional Network

for DB Regio AG

Rail traffic is playing an increasingly important role. By 2030, up to ten million people will be traveling by rail every day in Germany alone. Demographic changes and high passenger volumes are boosting the demands on mass transit.

Mireo® is the commuter train that intelligently combines all the requirements of operators, buyers, and passengers. With Mireo, the engineers at Siemens have created an innovative platform for premium-class commuter and regional transport that is energy-efficient, flexible, available for quick delivery, and profitable.

In the spring of 2020, Siemens received an order to supply 18 Mireo trains to DB Regio AG, the local transport arm of Deutsche Bahn.

DB Regio was awarded the contract for the Lausitz network by the Verkehrsverbund Berlin-Brandenburg (VBB) on behalf of the State of Brandenburg and the Zweckverband für den Nahverkehrsraum Leipzig (ZVNL).

Mireo will be deployed as a regional train (RB) along the route Frankfurt (Oder) – Cottbus Hbf. – Falkenberg (Elster), Cottbus Hbf. – Falkenberg (Elster) and as a regional express train (RE) along the route Frankfurt (Oder) – Cottbus Hbf. – Leipzig Hbf. and Cottbus Hbf. – Senftenberg.



Technical data

Wheel arrangement	Bo' 2'2' Bo'
Track gauge	1,435 mm
Maximum speed	160 km/h
Traction power	Up to 2,600 kW
Starting acceleration	Up to 0.96 m/s ²
Power supply	15 kV AC
Length (over coupling)	69,860 mm
Entrance height	610 mm
Entrance areas	3 on each side of train
Capacity	181 seats
Crashworthiness	TSI- and EN 15227-compliant
Fire protection	According to EN 45545

Interior design

Together with the attractive design, the construction of the train's interior creates a spacious ambience coupled with comfort and safety. This is further enhanced by features such as on-board Internet, passenger information systems, and safety monitoring systems (CCTV). The cantilevered seating makes it easy and inexpensive to clean the passenger compartment.

Energy savings

Mireo is designed to be especially energy-efficient thanks to its lightweight, welded, integral aluminum monocoque construction. The improved aerodynamics, the energy efficiency of its components, and the intelligent on-board network management system also contribute to less resource use, lower emissions, and reduced noise.

Project details:

- Passenger area with a modern, forward-looking design
- Generous seat spacing
- CO₂-controlled air conditioning system
- Multifunctional multipurpose areas with sufficient space for up to 15 bicycles
- Large displays for passenger information
- Jacobs and standard bogies with inside bearings from the SF7500 family
- Ramp-free access to the universal WC
- All entrances have a sliding step

Further highlights

- Hygiene package: touchless faucets and air hand dryers + soap and hand sanitizer dispensers
- Inductive cellphone charging at tables with face-to-face seating
- Optimized cellular reception for passengers, thanks to a window coating patented by Siemens
- Charging stations for e-bikes/pedelecs
- Defibrillator in intermediate car
- Premium first-class area with leather seats
- Designated family area in the intermediate car
- Innovative lighting system

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Otto-Hahn-Ring 6
81739 Munich
Germany

contact.mobility@siemens.com

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