



FOR BENEX GMBH

Mireo Regensburg / Donautal

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 increasing 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 June 2021, Siemens received an order to supply 23 Mireo trains to BeNEX GmbH.

Mireo will be operated by agilis Eisenbahngesellschaft mbH & Co. KG along the route Nuremberg – Neumarkt – Regensburg – Straubing – Plattling (– Passau).

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Interior design

Combined 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

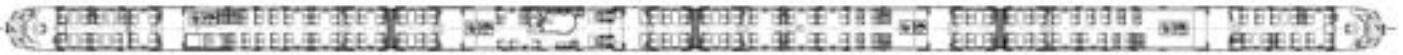
Mireo is designed to be especially energy-efficient thanks to its light-weight, welded, integral aluminum monocoque construction. The improved aerodynamics, the energy efficiency of its components, and the intelligent on-board network management system also contribute to less resource use, lower emissions, 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 24 bicycles
- Large displays for passenger information
- Jakob-type and standard bogies with inside bearings from the SF7500 family
- Barrier-free access to the universal restroom
- All entrances have two sliding steps at different heights (duplex sliding step)

Further highlights

- Hygiene package: touchless faucets
- Optimized cellular reception for passengers, thanks to a window coating patented by Siemens
- Premium first-class area with leather seats



Technical data

Wheel arrangement	Bo' 2' 2' Bo' Bo'
Track gauge	1,435 mm
Maximum speed	160 km/h
Traction power	3,400 kW
Starting acceleration	1.2 m/s ²
Power supply	15 kV 16,7 Hz AC
Length (over coupling)	89,660 mm
Entrance height	800 mm
Entrance areas	5 per vehicle
Capacity	216 seats
Crashworthiness	TSI- and EN 15227-compliant
Fire protection	According to EN 45545

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