

A Siemens Mireo train, white with grey and yellow accents, is shown on a track. The train has a large 'S' logo on its side and the text 'S-Bahn Rhein-Neckar' and '463 528-0'. The background shows trees and a cloudy sky.

SIEMENS

Ingenuity for life

Mireo Rhine-Neckar S-Bahn

for DB Regio AG

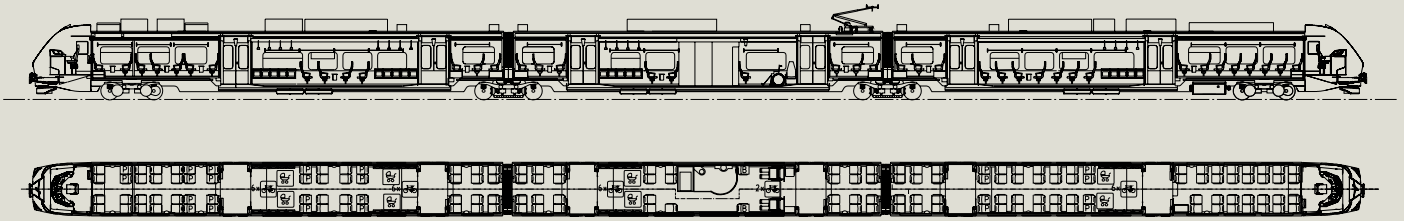
Rail traffic is becoming increasingly important. By 2030, up to ten million people will be traveling by rail every day in Germany alone. Demographic changes and high passenger volumes are increasing the demands on local public transport.

Mireo® is the commuter train that intelligently combines all of these 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 at once energy-efficient, flexible, available for quick delivery, and profitable.

In the summer of 2017, Siemens received the order to supply 57 Mireo trains to DB Regio AG, the local transport arm of Deutsche Bahn.

Customers for the Mireo are the Ministry for Transportation in Baden-Württemberg, the Zweckverband Schienenpersonennahverkehr Rheinland-Pfalz Süd (special-purpose association for regional rail transportation Rhineland-Palatinate south) (ZSPNV RLP Süd) and the Verkehrsverbund Rhein-Neckar GmbH (VRN – Rhine-Neckar Public Transport Network).

The Mireo will operate as an S-Bahn on the future lines S5, S6, S8 and S9 in the Rhine-Neckar region. In addition, it will serve as the “Murgtärer Rad-express” on the route between the cities of Mannheim and Baiersbronn.



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	800 mm
Entrance areas	6 on each train
Capacity	200 seats
Crashworthiness	TSI and EN 15227 conform
Fire protection	acc. to EN 45545

Project details:

- Passenger compartment with a modern and future-oriented design
- Generous seat spacing
- CO₂-controlled air conditioning system
- Multifunctional multipurpose areas with sufficient space for up to 26 bicycles
- 19"-TFT screens for passenger information
- Jacobs and standard bogies with inside bearings from the SF7500 family
- All entrances have a sliding step

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 onboard Internet, passenger information systems, as well as safety monitoring systems (CCTV). The cantilevered seating makes it easy and inexpensive to clean the passenger compartment.

Energy savings

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

Published by
Siemens Mobility GmbH

Otto-Hahn-Ring 6
81739 Munich, Germany

contact.mobility@siemens.com

Article No. MOML-T10051-00-7600
Printed in Germany
TH 166-200438 DA 0620

Mireo® is a registered trademark of Siemens AG. Any unauthorized use is prohibited. All other designations in this document may represent trademarks whose use by third parties for their own purposes may violate the proprietary rights of the owner.

Subject to changes and errors.
The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.