



12 TWO-CAR VEHICLES

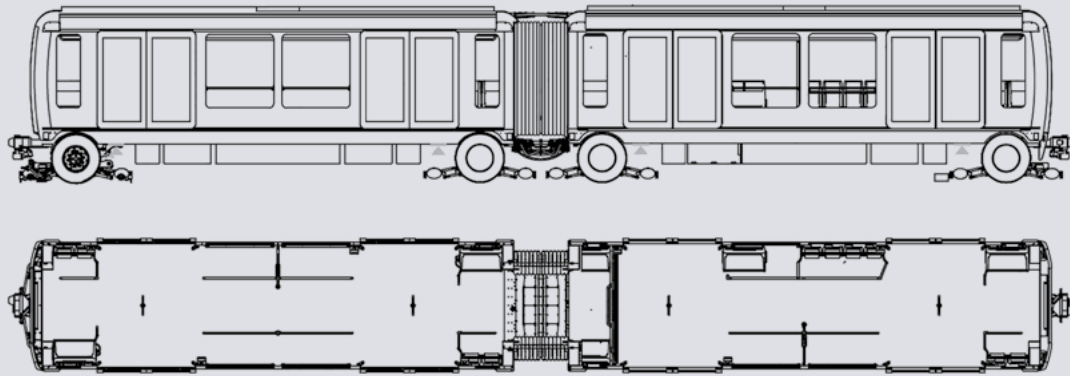
Airval Frankfurt Airport

Siemens Mobility is one of the world's leading suppliers of integrated mobility solutions for urban areas and of vehicles for local, regional, and main-line transportation.

The Neoval, is a fully automated, rubber-tire, people mover system that guarantees unequaled safety, efficiency and availability. With a modular design and great flexibility, the new generation Val is the results of 40 years of experience in fully automated mobility solutions.

Technical Data

| | |
|---------------------------------------|------------------------------------|
| Vehicle type/platform | Type Airval of the Neoval platform |
| Configuration | 2-Car Train |
| Seats in the train | 10 |
| People possible to stand in the train | 113 |
| Length | 22.40 m |
| Width | 2.80 m |
| Height | 3.725 m |
| Tare weight | 32,255 kg |
| Car body material | Aluminium |
| Maximum speed | 80 km/h |
| Power supply | 750 VDC |
| CBTC GoA4 | ✓ |
| Wi-Fi | ✓ |



Enhanced passenger experience

- Real-time information and entertainment: live digital information and onboard WI-FI
- Passenger comfort: floor to ceiling glazing, lighting, low level of noise, air conditioning, wide interior space, flexible seat configuration
- Wide entrance doors: 1.95 m
- No step on boarding and inside the train
- No technical equipment within the car

Increased value sustainability over the entire life cycle

- Electrical breaking down to 0 km/h can reduce energy consumption by up to 15% and guarantees low particle emission
- 95% recyclability of rolling stock
- Reduced noise and vibration levels

Guaranteed availability

- Outstanding availability: 99.65%, 24/7 service
- Best-in-class Trainguard MT CBTC system used on all GoA4 Siemens projects worldwide
- 60 second headway between trains technically possible
- Highly flexible design, allowing for train configurations between multiple vehicles
- It can navigate steep gradients of up to 12%, and tight curves (down to 30 m radius) on viaducts and in tunnels
- Five billion passengers transported without accident

Intelligent systems & services

- Machine learning based on data collection for predictive maintenance and virtual test track aiming to 100% availability
- Advanced data analytics for enhanced performance and reduced operating costs
- Gradual services for Operation & Maintenance (full O&M, maintenance services, technical assistance,...)
- Built-in cybersecurity solution



Fixed passenger seat



View from wheelchair space

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