



CITYLINK TRAM-TRAIN

TramTrain – Das Projekt
Saarbahn GmbH, Germany

Saarbahn GmbH is one of the 6 operators in the consortium 'TramTrain – Das Projekt' that in January 2022 awarded to Stadler the contract for up to 504 vehicles.

As part of the project, Saarbahn GmbH ordered 28 CITYLINK Tram-Trains with the option of a further 21 vehicles and will be the first operator in the consortium to receive the vehicles. The contract also includes up to 32 years of maintenance. Passenger services are due to start after the test phase in 2025.

CITYLINK is a modular, barrier-free light rail vehicle that was specifically designed to connect urban areas with the surrounding region without forcing passengers to switch trains in order to offer them a comfortable journey.

The dual-system light rail vehicles can operate on tram routes with 750 V DC and mainline routes with 15 kV AC. Each bi-directional vehicle has three carriage sections and four bogies. Access to the vehicle is barrier-free. Four doors on each side allow quick entry and exit. The interior offers 100 comfortable seats and capacity for 133 standing passengers. The bright and spacious passenger compartment has two large multifunctional zones with space for bicycles and pushchairs as well as reserved areas for wheelchair users.

Stadler Rail Group

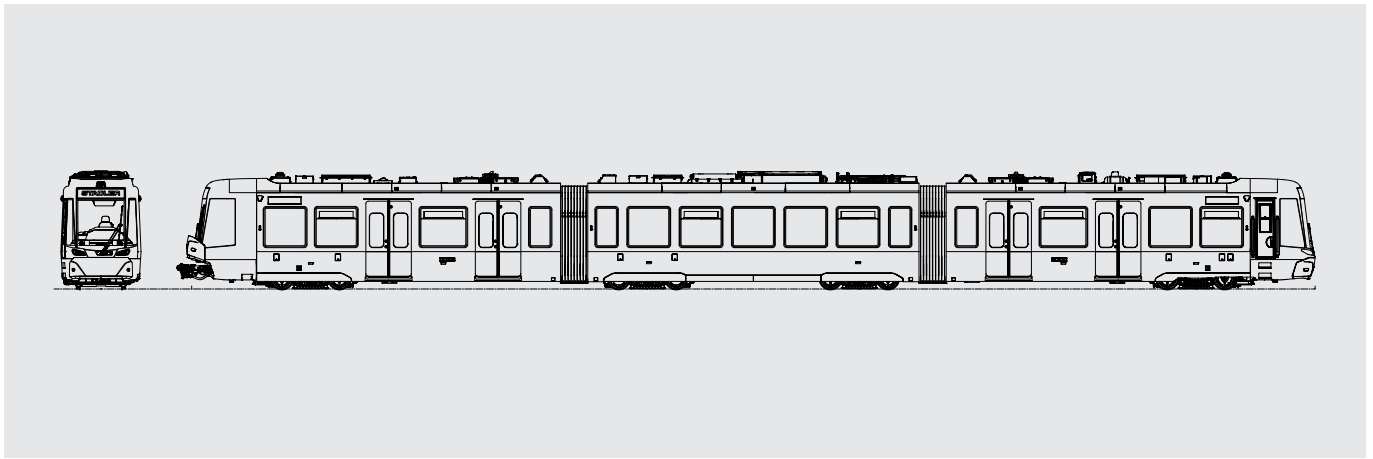
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Technical features

Technology

- Bi-directional vehicle
- Lightweight structure made of high-strength stainless steel (duplex)
- Bogie with ball-bearing-supported slewing ring
- Energy efficiency thanks to lightweight structure, CO₂ heat-pump heating, effective vehicle insulation
- Sliding steps with integrated ultrasonic sensors for platform detection
- 15 kV AC Dry trafo integrated on the roof

Personnel

- Ergonomically designed driver workplace, including an instructor seat with height regulation and dedicated driver's access
- Driver's cab with independently controlled air-conditioning system
- Rear-view and front cameras
- Collision warning system
- Visibility for driver according to EN 16186-5

Passenger comfort

- Flexibly configurable, light and airy interior
- Air suspension for smooth, low-noise operation and increased passenger comfort
- 2 multifunctional zones
- WLAN and infotainment with 29-inch widescreen display
- Barrier-free entrance area

Reliability / Availability / Maintainability / Safety

- Full compliance with EN 12663 P-III + P-IV and EN 15227 C-III + C-IV
- Surveillance camera system
- Passenger counting system
- Energy consumption meter

Vehicle data

Customer	Saarbahn, Germany
Number of vehicles/options	28 / 21
Operated networks	Greater Saarbrücken area
Commissioning	2025
Nominal voltage	750 V DC + 15 kV AC
Track gauge	1,435 mm
Vehicle length	37,200 mm
Vehicle width	2,650 mm
Vehicle height	3,900 mm
Access height	350 - 380 mm
Number of doors	4 per side
Standing passenger capacity (4 pers. per m²)	133
Seats incl. tip-up seats	100
Smallest traversable curve radius	22 m
Wheel diameter, new	700 mm
Maximum speed	100 km/h
Motor power	6 x 125 kW