



## CITYLINK LOW-FLOOR LIGHT RAIL VEHICLE

Verkehrsbetriebe Karlsruhe GmbH (VBK) and Albtal-Verkehrs-Gesellschaft (AVG), Germany

German public operators Verkehrsbetriebe Karlsruhe GmbH (VBK) and Albtal-Verkehrs-Gesellschaft (AVG) placed an order for a total of 75 light rail vehicles of the Citylink type, branded as Citylink NET 2012, for use in the city of Karlsruhe and the surrounding region at the consortium of Stadler Valencia and Vossloh Kiepe. The batches, of 25 vehicles each, were awarded to the consortium in October 2011, May 2015 and March 2016.

The unidirectional low-floor light rail vehicles were adapted to the Karlsruhe infrastructure and are certified according to BOSTrab and EBO. Due to their innovative design, they meet the increasing requirements for mobility and ride comfort at up to 80 km/h, and they allow easy access at street level via five double doors, into bright and spacious passenger compartments with multifunctional zones for wheelchairs, prams and bikes.

Citylink is a modular, barrier-free and low-floor light rail vehicle family specially designed to provide a safe and highly comfortable ride.

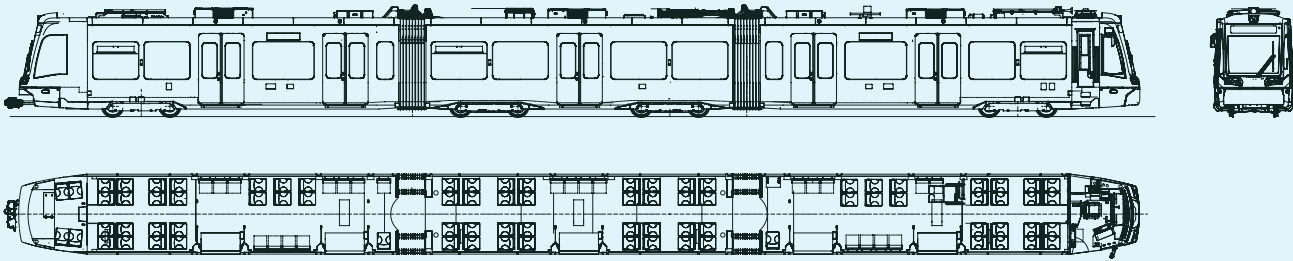
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## Technical features

### Technology

- Unidirectional light rail vehicle
- Certified according to BOSTrab and EBO
- Lightweight structure made of high-strength stainless steel
- Real turning bogie with slewing ring and big diameter wheels
- Smooth and silent operation with secondary air suspension and resilient wheels
- Hydraulic brake and magnetic track brakes in all bogies

### Comfort

- Barrier-free low-floor vehicle
- Bright, pleasant passenger compartments with scope for individual design
- Direct access from 340 mm tram platforms
- 5 double doors with automatic sliding steps
- Air-conditioned passenger area
- Four spacious multifunctional areas
- Modern passenger information system and video surveillance

### Personnel

- Air-conditioned driver's cab
- Ergonomically designed driver's cab with great visibility for city operation
- An additional driver's door with exclusive use

### Reliability / Availability / Maintainability / Safety

- Full EN 12663 P-III and EN 15227 C-III compliance

## Vehicle data

<b>Customer</b>	Verkehrsbetriebe Karlsruhe GmbH (VBK) Albtal-Verkehrs-Gesellschaft(AVG)
<b>Region</b>	Karlsruhe, Germany
<b>Number of vehicles</b>	75
<b>Commissioning</b>	2014
<b>Track gauge</b>	1435 mm
<b>Energy supply</b>	750 V DC
<b>Axle arrangement</b>	Bo'2'2'Bo'
<b>Vehicle length</b>	37200 mm
<b>Vehicle width</b>	2650 mm
<b>Vehicle height</b>	3590 mm
<b>Entrance height</b>	340 mm
<b>Seats</b>	82
<b>Standing capacity (4 pers./m<sup>2</sup>)</b>	137
<b>Doors</b>	5 double doors
<b>Wheel diameter</b>	680 mm
<b>Min. curve radius</b>	22 m
<b>Power traction motor</b>	4 × 145 kW
<b>Maximum speed</b>	80 km/h