

Saxony Platform

TRACTION AND AUXILIARY POWER SUPPLIES FOR LRVS
FOR LEIPZIG, GÖRLITZ AND ZWICKAU



Project description

In the summer of 2019, the public transit authorities of Leipzig, Görlitz and Zwickau launched the “Saxony Platform – Street-car of the Future” project. The aim of this project is to purchase up to 181 modern light rail vehicles that can be adapted to the different requirements of passengers and the respective public transit authorities.

The initiative aims to support sustainable public transit in the municipalities and to jointly overcome the associated challenges. LEIWAG, a consortium of KIEPE and HeiterBlick, was awarded the contract.

HeiterBlick is the car builder and takes care of final assembly, while KIEPE is responsible for the electrical systems including traction and auxiliary power supply systems. For Leipzig alone, KIEPE and HeiterBlick are developing 25 45-meter vehicles as part of the supply contract with the option of adding up to 130 of the 2.40-meter-wide trams. The joint procurement program of the three public transit agencies extends until 2030.

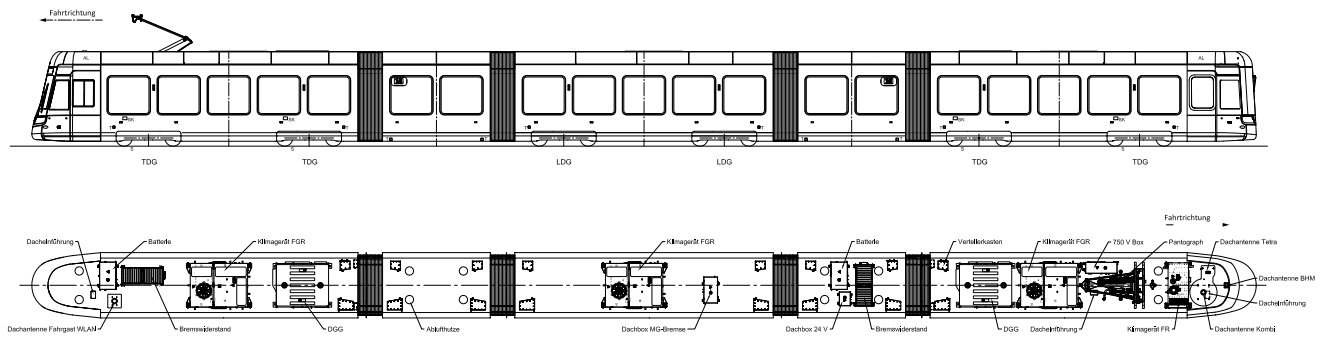
Highlights

- Latest third-generation driver assistance systems that detect partially concealed objects
- Collision warning systems
- The occupancy level detection of the wheelchair areas guides wheelchair users waiting to board the vehicle to a free area
- Energy-efficient drive and air conditioning technology
- Heating and air conditioning systems with heat pump technology
- More space thanks to wider vehicles, resulting in wider seats, passageways and larger wheelchair and stroller areas
- Modern design: panoramic windows, optimized passenger information displays – also above the doors, pleasant interior lighting
- WiFi

Technical Data

Vehicle length	30 and 45 meters (type L and XXL)
Vehicle width	2.4 m
Vehicle height	3.5 m
Empty weight	44.7 / 62.7 t (type L and XXL)
Seated passengers	64 / 92 (type L and XXL)
Standees	178 / 196 (type L and XXL)
Low floor proportion	approx. 70 %
Gauge	1,458 mm
Top speed	70 km/h
Drive	6 x 85 kW / 8 x 85 (type L and XXL)
Contact wire voltage	DC 600 V / 750 V (type L and XXL)
Wheel diameter	600 mm

Technical Drawing



Direct Pulse Inverter DPU104



New generation KIEPE TCMS



kiepe.

Austria | Canada | Germany | India | Italy | Switzerland | USA

www.kiepe-group.com

