



# ***Bielefeld, Vamos***

## LIGHT RAIL VEHICLE VAMOS GTZ8-B BIELEFELD, GERMANY

In January 2009 moBiel GmbH, Bielefeld, awarded the order for 16 state-of-the-art high-floor light rail vehicles to the consortium of Kiepe Electric and HeiterBlick GmbH, a manufacturer of urban rail rolling stock in Leipzig.

The Vamos took up revenue service in December 2011. The three-car bi-directional air conditioned light rail vehicle is dimensioned to carry 230 passengers. It has a very modern, well designed and spacious indoor environment and is equipped with a video monitoring system.

The passengers are informed about transfer options and connections in real time via a modern passenger information system. During the journey the passengers are entertained by multimedia recordings with local content.

The driver's cab is air-conditioned, possesses a very well arranged driver work space and for the first time a redundant system consisting of two ergonomic Kiepe driver's cab displays with touch screens are installed.

The vehicle has eight powered axles which are powered by four DPU 102 compact traction inverters, each providing the traction power for two traction motors. Two on-board converters supply power for the control devices, the compressors and the fans.

## PROJECT CHARACTERISTICS

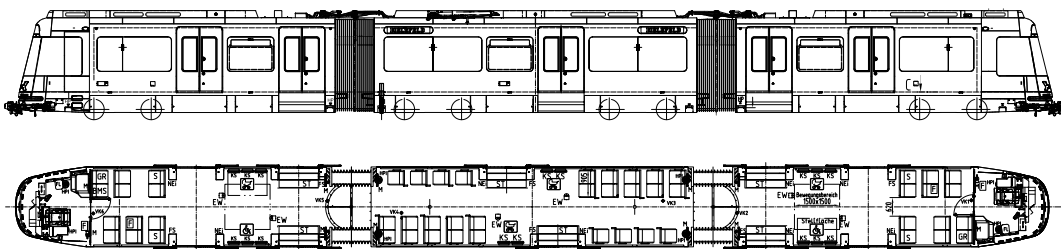
- Touch screen displays in the driver's cab
- Environment-friendly, modern drive technology
- Compact state-of-the-art traction inverter
- Air conditioning
- Modern passenger information system with transfer information in real time
- Video monitoring system
- Electronic side mirror by means of video camera and TFT monitor

## VEHICLE DATA

<b>Vehicle length</b>	34.3m
<b>Vehicle width</b>	2.65 m (2.30m below the platform level)
<b>Vehicle height</b>	3.62m
<b>Low-floor share</b>	0% (Hochflur)
<b>Boarding height</b>	0.92m
<b>Tare weight</b>	55,900kg
<b>Track gauge</b>	1,000 mm
<b>Doors</b>	10
<b>Seats/folding seats</b>	52/16
<b>Standing room</b>	162
<b>Wheel diameter (new / worn)</b>	681 / 600 mm
<b>Overhead line voltage</b>	DC 750V
<b>Power</b>	8x80kW
<b>Maximum speed</b>	80km/h
<b>Design</b>	according to BOStrab specification
<b>Specific features</b>	carbody narrower below the platform level, state-of-the-art driver's cab with touch screens

Subject to change without notice.

## TECHNICAL DRAWING



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