

**Press Release**

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**Tramino for Braunschweig equipped with Kiepe Electric systems**

**Düsseldorf-based Kiepe Electric GmbH, a Knorr-Bremse Group company, is to supply the electrical equipment for seven low-floor light rail vehicles for the city of Braunschweig in Germany, with an option for an additional seven units. The new light rail vehicles will form the latest addition to the fleet of local mass transit operator Braunschweiger Verkehrs-GmbH.**

Solaris Tram has been commissioned by Braunschweiger Verkehrs-GmbH to supply seven of its Tramino light rail vehicles, with an option for an additional seven units. The Traminos are to be built in Poland by the Solaris Tram joint venture, founded early this year by Solaris Bus & Coach S.A. and Stadler Rail AG. In view of its expertise as a systems supplier, Kiepe Electric is to provide the full scope of electrical equipment for this order: traction equipment with energy storage modules, on-board power supply, vehicle control and signaling technology, passenger information, driver's cab equipment, air-conditioning systems and all vehicle circuit diagrams, plus the necessary software and wiring documentation. Along with the design and supply of the traction inverters and static converters and of the HVAC, ELA, infotainment and video surveillance systems, Kiepe Electric is also to supply the central vehicle control system. The new four-car Tramino light rail vehicles are 36 meters long and 2.3 meters wide, with a passenger capacity of 79 seated and 125 standing. Five of the eight axles are driven, making for better power transmission to the rails. Like their predecessors, these light rail vehicles are fitted with supercap-based energy storage modules. These modules enable the interim storage of braking energy that can then be re-used when the vehicle accelerates.

**Caption:** A Braunschweig Solaris Tramino from the first series | © Braunschweig Verkehrs GmbH

**Knorr-Bremse** is a leading manufacturer of braking systems and supplier of additional sub-systems for rail and commercial vehicles, with sales totaling approximately EUR 5.5 billion in 2016. Some 25,000 employees develop, manufacture, and service braking, entrance, control, and energy supply systems, HVAC and driver assistance systems, as well as powertrain-related solutions. As a technology leader, through its products the company has been making a decisive contribution to greater safety by road and rail since 1905. Every day, more than one billion people around the world put their trust in systems made by Knorr-Bremse.

Knorr-Bremse subsidiary **Kiepe Electric**, based in Düsseldorf, Germany, is a globally active supplier of electrical systems to the leading rail vehicle and bus manufacturers. The company offers efficient solutions and ecologically sustainable concepts for low-emission public transportation with eco-friendly electrical equipment for light rail vehicles, metros and regional rail networks as well as for battery, trolley and In Motion Charging (IMC) buses.

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