

**Press release**

Munich/Düsseldorf, January 31, 2019

## **Kiepe Electric to supply electrical equipment for Erfurt transport authority's new LRVs**

- **Stadler chooses Kiepe Electric technology for Tramlink vehicles ordered by Erfurter Verkehrsbetriebe AG (EVAG)**
- **Confirmed order of equipment for 14 vehicles, with options for a further ten**
- **Efficient HVAC control system with CO<sub>2</sub> sensor**

**Munich/Düsseldorf, January 31, 2019 – Kiepe Electric has received another important order for the light rail vehicle segment: The subsidiary of Knorr-Bremse AG, global market leader for braking systems and a leading supplier of sub-systems for rail and commercial vehicles, is to provide electrical equipment for 14 seven-car LRVs ordered from Stadler by Erfurter Verkehrsbetriebe AG (EVAG).**

“This latest order demonstrates how satisfied Stadler has been with Kiepe Electric systems,” comments Dr. Jürgen Wilder, member of the Executive Board of Knorr-Bremse AG and responsible for the Rail Vehicle Systems division. Tramlink low-floor vehicles built by Stadler and equipped by Kiepe Electric have already proved extremely popular in cities like Rostock, Germany and Gmunden, Upper Austria. “So the order is just the latest in a long line of successful collaborations between Kiepe Electric and Stadler.” In addition to the confirmed order for 14 seven-car LRVs, the Erfurt transport authority has also taken out options on a further 10.

According to Dr. Heiko Asum, Managing Director of Kiepe Electric, the systems make up a comprehensive Tramlink package: “In addition to the complete traction kit and on-board power supply, we are also supplying the vehicle control system, including hard and software, HVAC systems for the driver’s cab and passenger compartment, on-board and external displays and the video monitoring system. The control panels and operating and display systems in the driver’s cab also come from Düsseldorf.” This means that, Stadler is being supplied from a single source with a whole range of perfectly-matched systems and functions tailored to the Tramlink platform.

### **LRVs to be phased in from 2020**

Modern equipment from Kiepe Electric requires little maintenance and offers enhanced energy efficiency. For example, waste heat from the water-cooled motors is transferred via a heat-exchanger to the passenger compartment. And the demand-controlled HVAC system is equipped with a CO<sub>2</sub> sensor that continuously measures air quality and ensures a supply of warm or cool air based on the number of passengers on board. Regenerative braking energy is either used by the vehicle itself or fed back into the overhead line.

Each Tramlink vehicle is 42 meters long and can accommodate 248 passengers. Built and commissioned at the Stadler facility in Valencia, Spain, the LRVs will be rolled out on the Erfurt network from 2020 onwards. This means, for example, that in April 2021, visitors to the Federal Horticulture Show (Bundesgartenschau) in Erfurt will be able to experience traveling on the new vehicles. 46.79% of the purchase cost of the Tramlink vehicles is being met by the European Regional Development Fund (ERDF) and the free state of Thuringia.

**Picture caption:** A future eye-catcher: The Stadler Tramlink vehicles equipped with Kiepe Electric electrical systems will be rolled out on the Erfurt network from 2020. | © Stadler

Knorr-Bremse is the global market leader for braking systems and a leading supplier of other safety-critical rail and commercial vehicle systems. Knorr-Bremse's products make a decisive contribution to greater safety and energy efficiency on rail tracks and roads around the world. For more than 110 years the company has been the industry innovator, driving innovation in mobility and transportation technologies with an edge in connected system solutions. Knorr-Bremse is one of Germany's most successful industrial companies and profits from the key global megatrends: urbanization, eco-efficiency, digitization and automated driving.

As of June 30, 2018, about 29,000 employees at over 100 sites in more than 30 countries use their competence and motivation to satisfy customers worldwide with products and services. Localization is a central focus of Knorr-Bremse's strategy. Knorr-Bremse delivers braking, entrance, control and auxiliary power supply systems, HVAC and driver assistance systems for rail vehicles, as well as braking, steering, powertrain and transmission control solutions and driver assistance systems for commercial vehicles.

In 2017, Knorr-Bremse's two divisions together generated revenues of EUR 6.2 billion (IFRS). A comprehensive aftermarket & services business with high entry barriers gives these revenues increasingly cyclically independent stability. The company benefits from strong, entrepreneurial and experienced management. Technical excellence, reliability, passion and responsibility are deeply embedded in its corporate culture.

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.

**Contact:**

Alexandra Bufe  
Head of Corporate Communications  
Tel: +49 (0)89 3547 1402  
E-mail: alexandra.bufe@knorr-bremse.com

Knorr-Bremse AG  
Moosacher Straße 80  
D-80809 München  
www.knorr-bremse.com