

Press release

Reliable rail mobility: Knorr-Bremse equips 246 Stadler light rail vehicles

- **As part of a major order, Stadler is supplying at least 246 CITYLINK streetcars to six well-known local transit operators in Austria and Germany**
- **Knorr-Bremse will equip the light rail vehicles (LRVs) with braking and climate control systems through to 2031, and will also be responsible for providing comprehensive aftermarket services over 32 years**
- **As equipment and service partner to Stadler, Knorr-Bremse will play an important role in this extensive, long-term mobility project**
- **For Knorr-Bremse, the order value is in the mid double-digit million-euro range**

Munich, January 09, 2024 – Knorr-Bremse is to equip at least 246 of Stadler’s CITYLINK streetcars with various system solutions. Under the terms of a major joint order, which includes options for up to 258 more vehicles, the LRVs will be supplied to six local transit companies in Austria and Germany. Their equipment will include innovative braking systems (including magnetic track brakes) and climate control systems. In addition, Knorr-Bremse RailServices will supply comprehensive services for these systems over a 32-year period, contributing to the rail vehicles’ long-term technical and operational performance.

“For the mobility transition to succeed, it’s important to make rail transportation even more attractive and available,” explains Dr. Nicolas Lange, Member of the Executive Board of Knorr-Bremse AG with global responsibility for the Rail division. “We’re delighted to be able to contribute to the safety, reliability, comfort and convenience of rail travel by applying our systems expertise to the equipment required for our customer Stadler’s long-term project.”

Dr. Peter Radina, Member of the Management Board of Knorr-Bremse Rail Vehicle Systems, adds that: “Stadler’s CITYLINK streetcars, which seamlessly interconnect urban and rural areas, represent a pioneering vehicle design. Among other things, we’re supplying highly innovative braking systems that are precisely tailored to the customer’s requirements.”

Knorr-Bremse will equip the 246 streetcars with system solutions according to a delivery schedule running since the end of 2023 through to 2031. For Stadler, the framework agreement includes an option for up to 258 additional vehicles. The major “VDV TramTrain” order is a joint project by six local transit companies, with Verkehrsbetriebe Karlsruhe (VBK – Karlsruhe’s municipal transit authority) acting as the project manager.

Braking system based on sophisticated, customized solutions

The three-car rail vehicles feature designs that vary slightly by operator and intended operating location. Knorr-Bremse’s market-leading expertise in systems and components played a key role in planning the customer-specific solutions. The LRVs will be equipped with fully hydraulic braking systems in which the interactions of key components have been further optimized – between, for example, the magnetic track brakes, their new hydraulic mountings, and new hydraulic units. Together with other enhancements, this further increases the braking systems’ variability in different operating conditions and on routes with differing requirements. Knorr-Bremse is essentially supplying a sophisticated and highly reliable solution for a major long-term mobility project.

Another feature that will characterize all the vehicles: Climate control systems from Knorr-Bremse brand Merak will supply clean air at pleasant temperatures to both passenger compartments and driver's cab. These highly energy-efficient climate control systems, which include a heat-pump function, use CO₂ as a natural refrigerant. Stadler is also turning to Knorr-Bremse RailServices for suitable life-cycle management solutions. The service contract, which covers a 32-year period, includes the delivery of spare parts, maintenance and other services for the various Knorr-Bremse system technologies aboard the vehicles.

Captions:

Fig. 1: CITYLINK light rail vehicles destined for six local transit companies in Austria and Germany will be equipped with innovative system technologies supplied by Knorr-Bremse. | © Stadler

Knorr-Bremse (ISIN: DE000KBX1006, ticker symbol: KBX) is the global market leader for braking systems and a leading provider of other systems for rail and commercial vehicles. Knorr-Bremse's products make a decisive contribution to improving safety and energy efficiency on rail tracks and roads around the world. Some 32,600 employees at over 100 sites in more than 30 countries use their competence and motivation to satisfy customers worldwide with products and services. In 2022, Knorr-Bremse's two divisions together generated global revenues of EUR 7.1 billion. For more than 115 years, the company has been the industry innovator, driving developments 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, Sustainability, Digitalization and Mobility.

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