

Press release

Munich, August 11, 2022

Regional rail transport: Knorr-Bremse to equip Alstom Coradia Stream trains for German federal state of Baden-Württemberg

- **Knorr-Bremse is to equip 130 Coradia Stream regional trains with braking, entrance, climate control and sanitary systems under framework agreement with Alstom**
- **Knorr-Bremse is a strategic supplier to Alstom and the order exemplifies the companies' successful, decades-long cooperation**
- **For Knorr-Bremse, the order has a value in the lower three-digit million-euro range, including an option for another 100 vehicles**
- **The order represents the first major contract for sanitary systems from Knorr-Bremse global brand Evac in Europe, after Evac had been acquired in 2021**
- **For Knorr-Bremse, it is also the largest multi-systems order to date for trains commissioned by German federal state of Baden-Württemberg**

Munich, August 11, 2022 – Alstom has commissioned Knorr-Bremse to equip at least 130 new regional trains from the Coradia Stream family with multiple systems, starting in 2023 and extending through to 2029. In addition to the contract for the entire braking systems, doors and HVAC systems, it is also the first major contract for Knorr-Bremse in Europe to deliver integrated sanitary cabins from its brand Evac to a major vehicle manufacturer, after Knorr-Bremse had acquired Evac in 2021. The Coradia Stream High Capacity trains will operate in and around Stuttgart in Baden-Württemberg, traveling as far as Lake Constance. Knorr-Bremse was awarded the contract in Q2 2022.

“This new, high-profile, multi-system order further strengthens the partnership between Knorr-Bremse and Alstom as both companies seek to develop safe, sustainable, efficient rail mobility,” explains Dr. Jürgen Wilder, Member of the Executive Board of Knorr-Bremse AG and responsible for the Rail Vehicle Systems division. “We’re delighted to be further enhancing our close collaboration with our customer Alstom as we continue to build our reputation as a reliable partner in the important and prestigious platform business, and help implement the key mobility solutions of the future.”

The electropneumatic braking systems for the new trains will include PistonSupply Eco compressors, flexible brake control systems from the FlexControl Modular family, SysControl brake electronics, and SandGrip sanding systems. Knorr-Bremse will also be supplying pressure-tight, weight-optimized, low-maintenance entrance systems with sliding steps from the Group’s IFE brand – the global market leader in door systems for trains – and modular, scalable, energy-efficient green[air] HVAC systems for multi-level trains with the natural refrigerant R290 from Merak, the Group’s brand for integrated climate control solutions.

Finally, Knorr-Bremse will be supplying SanSys sanitary systems from the Group's Evac brand, with three units to be installed in each trainset. The SanSys units include customized cabins featuring the most advanced sanitary technologies, among them vacuum compact systems, tanks and electronic control functions.

The order was placed with Knorr-Bremse under the long-term framework agreement concluded between Alstom and Knorr-Bremse in 2021. Under the terms of the agreement, until at least 2025, whenever rail operators raise an order for trains in Alstom's versatile, high-performance Coradia Stream family, Knorr-Bremse will be a systems supplier for the trains. For Knorr-Bremse, this is the fourth order to be awarded under the Coradia Stream framework agreement by an Alstom customer in Germany, following orders for Coradia Stream trainsets from Expresskreuz Bremen and the Kinzigtal and Main-Weser regions.

Alstom's Coradia Stream design is a state-of-the-art low-floor, high-performance electric multiple unit (EMU) that meets today's regional and intercity travel needs. As a matter of course, the train family offers specific technical configuration options that can be adapted to individual operators' requirements. At the same time, Alstom's efforts to further improve standardization have resulted in a single, versatile train family capable of acting as the ideal platform for both regional and intercity trains.

Caption: Knorr-Bremse is to install braking, entrance, HVAC and sanitary systems on 130 Alstom-built regional trains destined for Baden-Württemberg. | © Alstom Advanced & Creative Design

Knorr-Bremse (ISIN: DE000KBX1006, ticker symbol: KBX) is the global market leader for braking systems and other systems for rail and commercial vehicles. Knorr-Bremse's products make a decisive contribution to greater safety and energy efficiency on rail tracks and roads around the world. About 30,500 employees at over 100 sites in more than 30 countries use their competence and motivation to satisfy customers worldwide with products and services. In 2021, Knorr-Bremse's two divisions together generated revenues of EUR 6.7 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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