

Press release

Munich, September 20, 2012

Knorr-Bremse secures new order for Japanese high-speed sector

The Knorr-Bremse Group has been selected by Japanese rail operator JR East to supply brake equipment for the state-of-the-art Shinkansen E7 high-speed train that will operate on the route between Tokyo and Kanazawa.

The order received by Knorr-Bremse covers bogie equipment, brake discs, ultra-compact, weight-optimized brake calipers and high-performance ISOBAR brake pads for 17 train sets with 10 motor cars each. The first trains are scheduled to roll out in fall 2013.

The trains will operate on a new high-speed route, due to open in spring 2015, connecting Tokyo on Japan's east coast with Kanazawa in the west. The line currently only runs as far as the city of Nagano. It will be jointly operated by Japanese rail companies JR East, with 17 train sets, and JR West, with 10 train sets. Speeds of up to 260 km/h will mean the new trains will take approximately 2.5 hours for the entire journey, despite the mountainous terrain and steep gradients involved. Under such demanding conditions each brake has to generate some 600 kW of power, and the brake discs have to withstand temperatures of up to 700 °C without any drop in performance.

Dr. Dieter Wilhelm, Executive Board member of Knorr-Bremse AG and responsible for the Rail Vehicle Systems division, welcomed the new order as further proof of the company's uncompromising commitment to the Japanese railway market and its longstanding and close business relationship with its Japanese customers. Knorr-Bremse has already demonstrated the quality and reliability of its brake equipment in JR East's Shinkansen E5 and E6 series, which have a design speed of up to 360km/h.

JR East is the world's largest passenger rail operator, transporting roughly 17 million passengers daily across a rail network stretching over 7,500 km. The company is one of seven spin-offs from the former Japanese National Railways, which was privatized in 1987.

The Knorr-Bremse Group is the world's leading manufacturer of braking systems for rail and commercial vehicles. For more than 100 years now, the company has pioneered the development, production, marketing and servicing of state-of-the-art

braking systems. In the rail vehicle systems sector, the product portfolio also includes intelligent door systems, control components, air conditioning systems and windscreen wiper systems, as well as platform screen doors. Knorr-Bremse also offers driving simulators and e-learning systems for optimum train crew training. In the commercial vehicle systems sector, the product range includes complete braking systems with driver assistance systems, as well as torsional vibration dampers, powertrain-related solutions and transmission control systems for enhanced energy efficiency and fuel economy.

Contact:

Christoph Günter

Vice President Corporate Communications

Tel: 089-3547-1402

Fax: 089-3547-1403

Email: christoph.guenter@knorr-bremse.com

Knorr-Bremse AG

Moosacher Strasse 80

80809 Munich

Germany

www.knorr-bremse.com