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InnoTrans 2012

RAIL.ONE focuses on turnkey production plants and efficient noise and vibration attenuation

Neumarkt and Berlin, Germany, 18 September 2012 – This year at InnoTrans 2012, the International Trade Fair for Transport Technology, RAIL.ONE will present its extensive production-plant portfolio. Under the motto “Build on railway excellence – your sleeper plant on demand” the company will show factory concepts that offer great productivity, flexibility, and efficiency throughout an entire plant life cycle. RAIL.ONE will further show new technical highlights such as the RHEDA RX, which reduces vibrations from metro trains to a minimum.

RAIL.ONE can look back on almost 60 years of experience in the development, manufacture, and delivery of concrete sleepers and track systems. Worldwide, it is one of the most important manufacturers in this field. At InnoTrans 2012, the company will again convincingly demonstrate its technological development competence for all areas of track application. “Our great strength is being able to offer a portfolio of goods and services tailored to the needs of our customers – and this throughout the entire life cycle of our products and plants,” as emphasized by Jochen Riepl, CEO of RAIL.ONE GmbH. “With our solidly based expertise, our innovative products, and our top-quality standards, we create sustainable value today and for the future. The basis here is customer orientation practiced every day, combined with decades of production and process competence.”

Building on RAIL.ONE – for a factory of the future

Productivity, efficiency, and flexibility – combined with top quality: these are the requirements placed on the operation of concrete sleeper plants. RAIL.ONE offers a selection from various factory concepts that covers the

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entire added-value chain: from planning, throughout plant design and engineering, up to actual start of production, and including the required services. The plants can be set up on undeveloped sites as well as in existing factory facilities. They are exactly tailored to the wishes of the customer with respect to scope of services, output, production processes, and degree of automation. Great emphasis is placed on assuring optimal efficiency of the factories and, at the same time, on offering plant operators great investment security.

RHEDA RX – effective protection from structure-borne noise

In the operation of metro train systems, requirements for efficient attenuation of noise and vibration are becoming increasingly strict. RAIL.ONE sees its role as initiator of new technologies, sustainable infrastructure, and cost effectiveness of the wheel-rail system. On the basis of the highly regarded RHEDA technology, RAIL.ONE – together with RockDelta, a company in the Rockwool Group – has developed a solution for metro systems that assures effective attenuation of vibrations produced by passing trains. The new RHEDA RX system features RockXolid stone-wool mats installed under the RHEDA track supporting slabs. These mats are characterized by extremely long service life, simple installation, and outstanding attenuation of structure-borne noise. In addition, the selection among mat types enables clearly defined track elasticity. This solution accordingly allows simple as well as economical rail-fastening elements and eliminates the occurrence of problematic resonances. RHEDA RX also offers definite benefits in installation: including fast and cost-efficient construction progress in tunnels. In addition, RHEDA RX is especially environmentally compatible, since all components can be recycled. With such properties, RHEDA RX matches the ideal of ecological and above all sustainable passenger transport in the 21st century.

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RAIL.ONE will likewise present at InnoTrans its extensive portfolio of track systems for passenger, freight, and heavy-haul transport.

Intelligent public urban transport systems for sustainable mobility

Metro systems, overground commuter lines, and tram networks not only relieve metropolitan areas from the burdens of individual transport and assure equally acceptable living conditions throughout national regions. They also make essential contributions to reduction of emissions and energy consumption. For installation onto concrete, ballast, or asphalt, RAIL.ONE offers high-performance and reliable track systems that are optimally integrated into their surroundings.

Most advanced track technologies for mainline and high-speed transport

For construction of new railways or for upgrading of existing lines, RAIL.ONE develops track solutions that are individually coordinated with the customer's requirements. Toward these solutions, the company offers all services on a one-stop basis. For high-speed transport, the patented RHEDA 2000[®] ballastless track technology has already achieved a leading international position. RHEDA 2000[®] has developed into standard technology for mainline applications, for high-speed traffic, and for extreme loads.

Freight and heavy-haul transport – extreme loads and maximum reliability

High energy prices and rising demand for raw materials mean that freight and heavy-haul transport by railway has attained a key position in intermodal competition. For these especially demanding requirements placed on track technology, RAIL.ONE has developed special concrete sleepers that are designed for static axle loads up to more than 40 metric tons.

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RAIL.ONE at InnoTrans 2012, 18 – 21 September 2012

Messe Berlin
Hall 26, Stand 216a

Profile of RAIL.ONE GmbH:

RAIL.ONE GmbH conducts business with the goal of providing comprehensively oriented systems and engineering for the entire field of railway tracks and their many and varied requirements. With its patented RHEDA 2000® ballastless track system, the company has achieved an internationally leading position in the field of high-speed rail transportation. In addition, RAIL.ONE manufactures main-track and turnout sleepers made of concrete.

With over 600 employees in its plants in Germany, Romania, Saudi Arabia, Spain, South Korea, Turkey, and Hungary, RAIL.ONE offers total annual production capacity for 4 million main-track sleepers, as well as for over 580,000 linear metres of turnout sleepers. The company achieves average annual sales of approximately €130 million.

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