

Media Release

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Premiere at InnoTrans: Voith and Liebherr unveil their brand new “Voith Rail Engine”

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- **The newly-developed diesel engine is currently an industry-leader in terms of efficiency**
- **Voith and Liebherr enter a partnership to develop, market and service diesel engines specifically intended for use in rail vehicle applications**

Berlin/Heidenheim. Today, Dr. Uwe Knotzer, Member of the Corporate Board of Management of Voith and Chairman of the Management Board of Voith Turbo, and Dr. h.c. Dipl.-Ing. (ETH) Willi Liebherr, President of the Administrative Board of Liebherr-International AG, unveiled the “Voith Rail Engine” at InnoTrans in Berlin. Showcased as one of the trade fair highlights of global technology group Voith, the powerful and low-emission engine for rail vehicles is the result of joint development efforts of both technology-leading companies.

“Drive New Ways” – under this motto, Voith showcases innovative products and customized service solutions for the rail industry at this year’s InnoTrans in Berlin. In addition to the unveiling of the engine, Knotzer and Liebherr provide insights into the current development status of the product. It will be available in 2020.

Joining forces for technology leadership

During the joint presentation at booth 215 in hall 1.2, Knotzer and Liebherr shared their excitement around what the cooperation had brought so far: “With this partnership, we clearly demonstrate our comprehensive approach to shaping the mobility of the future. We combine our expertise in rail traffic with Liebherr’s long-standing experience as an engine manufacturer. We are delighted to offer state-of-the-art, cutting-edge railway drive solutions to our customers as a result”, explains Dr. Uwe

Knotzer, Member of the Corporate Board of Management of Voith and Chairman of the Management Board of Voith Turbo.

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Dr. h.c. Dipl.-Ing. (ETH) Willi Liebherr, President of the Administrative Board of Liebherr-International AG, adds: "Together we have developed a highly efficient and robust engine for the rail industry. It combines the strengths of the two technology leaders to an equal extent. We are very pleased with the outcome."

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All eyes on the most efficient diesel engine in the industry

The technical data of the six-cylinder unit are convincing: with an output power of up to 480 kW the engine offers a maximum torque of 2,800 Nm. This means, it delivers up to 23 percent more power and consumes up to eight percent less fuel than comparable engines. Furthermore, the new engine has the lowest emissions of all other units of similar output and meets the new "Stage V" emissions standard of the European Union. The new drive solution is the first milestone of the cooperation entered into by Voith and Liebherr in September 2017.

About Voith

Voith Turbo, a Group Division of Voith, is a specialist for intelligent drive solutions, systems and comprehensive services. Customers from highly diverse industries such as oil and gas, energy, rail and commercial vehicles, ship technology, mining and mechanical engineering rely on the advanced technologies and solutions-driven expertise of Voith Turbo.

Voith is a global technology group. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, Voith today has more than 19,000 employees, sales of € 4.2 billion and locations in over 60 countries worldwide and is thus one of the largest family-owned companies in Europe.

About Liebherr

The Liebherr Group comprises more than 130 companies worldwide and employs a workforce of about 44,000 people. In 2017, the achieved total consolidated turnover was over 9.8 billion Euros. The group of companies consists of eleven product divisions: Earthmoving Equipment, Mining, Mobile Cranes, Tower Cranes, Concrete Technology, Maritime Cranes,

Machine Tools and Automation Systems, Aerospace and Transportation Systems, Components, Domestic Appliances and Hotels.

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The Components Division covers 20 product lines from the areas of mechanical, hydraulic and electrical drive and control technology, which are produced on ten production sites worldwide. Diesel engines were added to the product portfolio in 1984. For additional information, please visit www.liebherr.com, as well as www.liebherr.com/diesel-engines.

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Dr. Uwe Knotzer, Member of the Management Board of Voith and Chairman of the Management Board of Voith Turbo and Dr. h.c. Dipl.-Ing. (ETH) Willi Liebherr, President of the Administrative Board of Liebherr-International AG, presented the "Voith Rail Engine" at InnoTrans 2018.

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