

Press release

Thömen assembles two railway bridges in Berlin with a Liebherr LR 1800-1.0

- Thömen Schwertransport und Krantechnik GmbH completes bridge assembly in confined spaces with a Liebherr LR 1800-1.0
- Liebherr BTT-E remote control makes it much easier to set up and dismantle the crawler crane

“I’m delighted,” says Dino Wachsbaum from Thömen Schwertransport und Krantechnik GmbH about the LR 1800-1.0. He operated the 800-tonne Liebherr crawler crane on its first job in Berlin: Thömen assembled two railway bridges in the Neukölln district. The BTT-E wireless remote control made it much easier to set up and dismantle the heavy-duty crane in the confined space.

Ehingen (Donau) (Germany), 19 January 2024 – Deutsche Bahn is investing in the expansion of the rail network in Berlin and Brandenburg. The heavy haulage and crane company Thömen was awarded the contract to lift two bridges that carry the Berlin S-Bahn over Niemetzstraße, in May 2023. Thömen's operations manager Jens Hoffmeister reports: “The available space for the crane was limited to the width of the road and was therefore very cramped. There were no storage facilities for the crane parts. The assembly was carried out directly from the lorry to the crane, which required seamless logistical planning.” No problem for the professionals from Thömen, who set up the new LR 1800-1.0 with 90 tonnes of central ballast, 230 tonnes of slewing platform ballast and a 42 metre-long main boom. “The BTT-E wireless remote control is really very good. You can work excellently with it and control the crane while maintaining visual contact with the set-up process. Liebherr has developed a very good solution here,” explains Mike Roscher, who completed the first shift as crane driver. Dino Wachsbaum agrees: “The remote control makes assembly and disassembly so much easier. The entire transport and set-up concept for the LR 1800-1.0 is well thought out.”

Powerful and optimised for transport

The LR 1800-1.0 is considered a particularly powerful crawler crane that is known for its economical transportability worldwide. The basic machine is designed for a transport width of three metres and a maximum transport weight of 45 tonnes. The LICCON2 control system provides extended set-up options and monitored erection. With the standard BTT-E, the crawler crane's superstructure can be operated completely remotely. This means that all assembly processes can be monitored even more effectively and handled more efficiently.

Proceeding as planned

The first bridge was lifted into place after the 800-tonne crane had been assembled: a load case of 125 tonnes with a maximum radius of 25 metres. The bridge was installed on the neighbouring track during a night-time S-Bahn closure. During the second lift, the load added up to a total of 160 tonnes and a radius of 21 metres. This bridge remained in use for ongoing railway operations – with extra caution, of course. After completion of the work, Dino Wachsbaum said: “The operation went smoothly. I'm delighted with the LR 1800-1.0. In general, I'm very satisfied with the overall Liebherr package.”

About Thömen Schwertransport und Krantechnik as members of the Hüffermann Group

Thömen Schwertransport und Krantechnik GmbH belongs to the Hüffermann Group, together with the other branches of the Thömen Group in Leipzig, Brunsbüttel / Dithmarschen and Hamburg in Germany. With its nationwide partners, the group is a full-service provider in the field of crane and heavy-duty logistics, which implements projects both nationwide and throughout Europe. Thanks to the continuous acquisition of the latest technologies and state-of-the-art equipment, the Hüffermann Group is strongly positioned and guarantees services from a single source, including in the areas of customised solutions and heavy-duty engineering. The full-service provider's product range includes over 1,200 cranes, working platforms (up to 103 m), a forwarding agency for heavy loads and special transport, as well as heavy-load assembly and project engineering divisions.

As an SCCP-certified company with over 800 employees, the Hüffermann Group operates in all sectors and specialises in the chemical, oil & gas, wind power, industrial, construction and infrastructure sectors. It includes the crane service providers Hüffermann Krandienst, the Thömen Group and Knaack-Krane in the North, as well as Autodienst West and the Eisele AG – Crane & Engineering Group in Maintal/Frankfurt a. M. The group also includes velsycon GmbH, a manufacturer of silo handling systems and vehicle builder based in Wildeshausen.

About Liebherr-Werk Ehingen GmbH

Liebherr-Werk Ehingen GmbH is a leading manufacturer of mobile and crawler cranes. Its range of mobile cranes extends from 2-axle 35 tonne cranes to heavy duty cranes with a lifting capacity of 1200 tonnes and a 9-axle chassis. Its lattice boom cranes on mobile or crawler travel gear deliver lifting capacities of up to 3000 tonnes. With universal boom systems and extensive additional equipment, they can be seen in action on construction sites throughout the world. The Ehingen site has a workforce of 4,300. An extensive, global service network guarantees the high availability of Liebherr mobile and crawler cranes. In 2022, the Liebherr plant in Ehingen recorded a turnover of 2.37 billion euros.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a widely diversified product range. The company is one of the largest manufacturers of construction machines in the world. However, it also supplies high quality, user-focused products and services in many other sectors. The group currently comprises more than 140 companies based in every continent of the world. In 2022, it had a workforce of over 50,000 and recorded a consolidated total turnover of more than 12.5 billion euros. The company was founded in 1949 in Kirchdorf an der Iller in southern Germany. Since then, its aim has been to win customers by supplying high quality solutions and to contribute to technological progress.

Images



lwe-lr1800-1-0-thömen-1.jpg

Thömen Schwertransport und Krantechnik GmbH used the Liebherr LR 1800-1.0 to erect two railway bridges in Berlin.



lwe-lr1800-1-0-thömen-2.jpg

Crane driver Dino Wachsbaum is delighted with the Liebherr 800-tonne crane.



lwe-lr1800-1-0-thömen-3.jpg

The second railway bridge is installed on the neighbouring track while the suburban railway is in operation.



lwe-lr1800-1-0-thömen-4.jpg

The extremely cramped site required extremely detailed planning by operations manager Jens Hoffmeister with regard to crane assembly and deployment.



lwe-lr1800-1-0-thömen-5.jpg

160 tonnes are on the hook of the Liebherr LR 1800-1.0 crawler crane with a 42-metre main boom and 230 tonnes of slewing platform ballast.

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Published by

Liebherr-Werk Eching GmbH
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