

Press release

Urban development in Bremen – Sommer installs components for stairwell using LTM 1450-8.1

- Bremen-based contractor at the head of Europahafen in Bremen's Überseestadt
- Liebherr LTM 1450-8.1 mobile crane assembles components weighing up to 20 tonnes with a radius of up to 48 metres
- The crane would not have been able to complete the job without VarioBallast®

Covering an area of around 300 hectares, Überseestadt in Bremen is one of the largest urban development and port revitalisation projects in Europe. A Liebherr LTM 1450-8.1 mobile crane from Bremen crane specialist Sommer Kranverleih GmbH installed components weighing 20 tonnes for a connecting stairwell on one of the most striking buildings in the area, the 18-storey "Zech-Haus" at the head of Europahafen.

Ehingen (Donau), (Germany), 1 April 2021 – Überseestadt in Bremen is developing into a widely diverse mixed use area. In addition to services, offices, trade, port economy and logistics, it includes leisure, culture and residential sites. A special project is giving the head of the Europahafen a whole new look – Bremen-based entrepreneur Kurt Zech is erecting four buildings with a total floor area of 100,000 square metres and a total investment volume of 300 million euros. When they have been completed, they will provide space for 340 rental apartments, 20 shops, a restaurant and an enormous market hall. It is scheduled to open at the start of 2022. The highest building in the complex dominates the skyline with its 18 storeys and has become known as the "Zech-Haus".

"Without VarioBallast® we would have had no chance"

For three days at the start of February, a 450 tonne mobile crane joined the giant tower cranes which have made the silhouette of Europahafen such a striking image since the construction project was started. Crane specialist Sommer erected the 8-axle Liebherr LTM 1450-8.1 mobile crane with 134 tonnes of ballast and a 52.5 metre luffing lattice jib. Crane operator David Hartung carefully threaded the prefabricated staircases and other components into the building and placed them gently in the positions that had been prepared

for them. “A great team and a fantastic crane – everything went smoothly”, reports Hartung with satisfaction.

However, the constricted site posed a special challenge for using the crane. Andreas Meyer, Dispatcher at Sommer Kranverleih, explains: “The position for the large crane was extremely restricted with scaffolds being a particular obstruction. Fortunately, the ballast radius of the LTM 1450-8.1 can be reduced to handle these situations. Without VarioBallast® we would have had no chance”.

The ballast radius on the Liebherr 450 tonne crane can be adjusted infinitely between five and seven metres using a simple hydraulic slewing mechanism. VarioBallast® is a massive benefit on constricted sites. For example, a radius of five metres is the sort of value you would expect from mobile cranes in the 200-tonne class.

Bremen project with Bremen companies

Zech Group SE is a global medium-sized enterprise with family ownership. Gustav Zech founded a construction company in 1909 near Wrocław in what is now Poland, thus laying the foundation for the Zech Group. After the Second World War, the company restarted in 1945 in the form of a small craft company in Bremen. Today the group controls a number of branch offices and subsidiaries in several European countries from its Hanseatic headquarters.

Sommer Kranverleih GmbH was awarded the order to install components weighing up to 20 tonnes for the “Atrium Bridge”, a connecting stairwell inside the building complex, using a radius of up to 48 metres. This family-run company was founded in Bremen in 1957 and the third generation of the family is now in control. Its portfolio includes mobile cranes with lifting capacities of up to 800 tonnes, heavy haulage and equipment relating to crane and transport services.

About Zech Group SE

Zech Group SE is a strategic management holding company which comprises three business units with their own operative management companies. A wide range make the company a competent partner in the fields of building, real estate and hotels. The wide-ranging, diversified group of companies concentrates on the value-added chain relating to real estate. With the features of a medium-sized enterprise managed by entrepreneurs, the Zech Group is capable of seizing opportunities quickly and adjusting its structures to the requirements of the market.

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 crane chassis 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 3,500. Extensive, global service guarantees the high availability of Liebherr mobile and crawler cranes. In 2019, the Liebherr plant in Ehingen recorded a turnover of 2.1 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, but also supplies technically advanced, user-focused products and services in many other sectors. The group currently comprises more than 140 companies based in every continent of the world, has a workforce of over 48,000 and recorded a consolidated total turnover of more than 11.7 billion euros in 2019. Since it was founded in 1949 in Kirchdorf an der Iller in southern Germany, Liebherr's aim has been to win customers by supplying high quality solutions and to contribute to technological progress.

Photographs



liebherr-ltm1450-8-1-sommer-01.jpg

The Liebherr LTM 1450-8.1 mobile crane became part of the skyline at the head of Europahafen in Bremen's Überseestadt for three days at the beginning of February.



liebherr-ltm1450-8-1-sommer-02.jpg

The 450 tonne crane carefully threads the prefabricated staircases and other components into the building.



liebherr-ltm1450-8-1-sommer-03.jpg

The mobile crane installs components weighing up to 20 tonnes on the “Atrium Bridge”, a connecting stairwell within the building complex.



liebherr-ltm1450-8-1-sommer-04.jpg
VarioBallast® on the LTM 1450-8.1 is worth its weight in gold on constricted sites.



liebherr-ltm1450-8-1-sommer-05.jpg
Crane operator David Hartung can rely on his machine and team for completing the complex hoists.



bremen-zech-view-europahafen.jpg

This is how the skyline at Europahafen will look when the work has been completed.

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