

Press release

LR 11000 from Felbermayr unloads 450 tonne generator from barge

- **First job for Felbermayr's new LR 11000**
- **Only possible for a crawler crane – Liebherr LR 11000 travels with 450 tonnes on its hook**

Austrian crane and heavy haulage contractor Felbermayr hoisted a 450 tonne generator off a barge in Herne using its Liebherr LR 11000 crawler crane. The 1000 tonne crane then placed the massive load on SPMTs (self-propelled modular transporters), which transported the generator to the extension of a nearby power plant.

Ehingen / Donau (Germany), 16 December 2020 – Felbermayr transported its brand new LR 11000 to tackle its first job using around 19 low loaders and 30 curtain-sider trailers to Herne, a city in the Rhine-Ruhr Metropolitan Region in North Rhine-Westphalia, and set it up on the Rhine-Herne Canal. The 45 kilometre canal, built the start of the 19th century, is an important waterway for a number of industrial sites in the Ruhr Region.

The challenge facing the Liebherr crawler crane was to unload a 450 tonne generator from a barge, which had collected the unit from Mülheim an der Ruhr. This massive component was destined for the expansion of a gas and steam turbine power plant which is just 2 km away from where the barge had tied up. The generator was then transported on to self-propelled transport units with 18 axles each to its later operating location, where it was unloaded by the power plant crane.

The LR 11000 was set up with a 42 metre main boom, a derrick boom, 260 tonnes of slewing platform ballast and a suspended ballast pallet for the heavyweight hoist. 320 tonnes of suspended ballast were added by an auxiliary crane after the generator had been attached.

To hoist the generator out of the vessel and place it on the SPMTs, the LR 11000 was able to use all its strengths as the crane had to reverse around 20 metres with the full load on the hook so that the two linked SMPTs were able to move in front of the crane. The crane winches then very carefully deposited the valuable load on the self-propelled units.

This crane job once again demonstrated a feature which is far from rare in crawler crane jobs – setting up and dismantling the crane takes several days, but the actual hoisting work can be completed quickly. Immediately after the barge had tied up in the port at 12 noon, the load was attached and by 2.30 pm it had been placed on the SPMTs, meaning that the LR 11000 had finished its work.

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-felbermayr-lr11000-photo1.jpg

Ready for the hoist – the suspended ballast is stacked and the load attached. The gas and steam turbine power plant with its extension can be seen in the background.



liebherr-felbermayr-lr11000-photo2.jpg

450 tonnes are suspended from the hook of the Liebherr LR 11000.



liebherr-felbermayr-lr11000-photo3.jpg
The LR 11000 reversed 20 metres with the full load to unload the generator.



liebherr-felbermayr-lr11000-photo4.jpg
Two SPMTs with 18 axles each take the generator to its operating location.

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Published by

Liebherr-Werk Ehingen GmbH

Ehingen (Donau) / Germany

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