

Press release

Liebherr LTM 1230-5.1 mobile crane installs elevator shaft against the backdrop of the Frankfurt skyline

- **LTM 1230-5.1 completes job in Frankfurt's pedestrian zone on a Sunday**
- **75 metres – Liebherr 230 tonne crane has a particularly long telescopic boom**
- **Cobblestones protected with rubber mats and load distribution plates**

Passers-by were treated to a rather rare site in a pedestrian zone at the end of January in Frankfurt city centre – a 5-axle mobile crane extended its long telescopic boom high above the fronts of the buildings. Hanging from its hook were components of an elevator shaft which had to be installed at the rear of one of the buildings. The red crane was the Liebherr LTM 1230-5.1 operated by Frankfurt-based crane and heavy haulage specialist Autodienst West Ganske GmbH (ADW).

Ehingen / Donau (Germany), 11 February 2021 – As the pedestrian zone was the only possible site for the crane, the work had to be carried out on a Sunday. Weekend work is nothing out of the ordinary for crane contractors as they regard themselves as service providers who are available at all times for their customers.

One challenge was not to damage the smart paving stones of the pedestrian zone: because the supports of the Liebherr 230-tonne crane can press on the ground with up to 113 tonnes each when in use. Therefore, the ADW team first laid rubber mats on the pavement before four steel load distribution plates, each measuring nine square metres, were laid out at the designated positions of the crane supports. These plates enabled the maximum ground pressure to be limited to 12.5 tonnes per square metre.

The LTM 1230-5.1 was ballasted with 72 tonnes of counterweight for this job, because the heavier component of the lift shaft, which had to be lifted in two parts at a lifting height of 30 metres and an outreach of 40 metres, still weighed 6.5 tonnes. The crane and team completed the job with ease, which meant that the 60 tonne crane was able to leave the site again just eight hours later.

The Liebherr LTM 1230-5.1 mobile crane has a 75 metre telescopic boom, making it ideal for working with the boom fully raised and at large hook heights, for example for erecting tower cranes or maintenance work for wind turbines. As the job in Frankfurt city centre showed, however, this universal crane can also easily complete jobs which require large radii.

Autodienst West Ganske GmbH has more than 75 years of experience as a crane and heavy haulage contractor. The Frankfurt-based company is now part of the Hüffermann Group, which provides a full range of crane and heavy haulage logistics services. In addition to mobile & crawler cranes with lifting capacities of up to 750 tonnes, and tower cranes, the company can also provide truck loading cranes, mini-cranes, truck work platforms, heavy installation services, traffic management & glass installation work as well as haulage services for heavy and special loads of up to 100 tonnes, including transport escort and permit services.

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-ltm1230-5-1-adw-motive01.jpg
Autodienst West installs an elevator shaft in Frankfurt city centre.



liebherr-ltm1230-5-1-adw-motive02.jpg
The components, weighing up to 6.5 tonnes, were installed with a radius of up to 40 metres.



liebherr-ltm1230-5-1-adw-motive03.jpg

Rubber mats and steel load distribution plates protect the cobblestones in the pedestrian zone.

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