

Press release

The legend grows: New LG 1800-1.0 in the lattice boom crane portfolio

- **LG 1800-1.0 combines the mobility of a mobile crane with the load capacity of a crawler crane**
- **Suitable for all markets: with an axle load of just ten tonnes, the new crane is suitable for public roads worldwide**
- **Ideal for the wind industry: from turbine to turbine with a three metre wide chassis**

The legendary Liebherr LG 1750 lattice boom crane has a successor: like its predecessor, the LG 1800-1.0 combines the advantages of a mobile crane with the load capacity of a lattice boom crane. The LG 1750 was previously one of the most powerful cranes of its kind on the market – the new LG 1800-1.0 tops this power and will be launched in the first half of 2024 under the motto “The legend grows”.

Ehingen (Donau) (Germany), 19 December 2023 – With the development of the new LG 1800-1.0, Liebherr has combined the high load capacities of a lattice boom crane with the advantages of a mobile chassis. As one of the world's most powerful lattice boom cranes on wheels, the new crane can lift up to 800 tonnes – even more than its predecessor, the LG 1750, and just as much as its crawler crane counterpart, the LR 1800-1.0. The LG 1800-1.0 also features state-of-the-art crane technology such as V-Frame®, VarioTray, ZF Traxon Torque transmission with ECOdrive and WindSpeed load charts.

Suitable for all markets thanks to flexible driving modes

A highlight of the new 9-axle vehicle is its unique chassis: Thanks to the special arrangement of its axles, the lattice boom crane is suitable for all markets worldwide. With an axle load of just ten tonnes, the crane can drive on public roads with all four supports and a total weight of 90 tonnes. Alternatively, transport is possible with only two supports and a total weight of 70 tonnes, as well as completely without supports at around 50 tonnes.

In contrast to its predecessor, the 8-axle LG 1750, the folding beams on the new 800-tonne crane are not telescopic. The required support base of 13 x 13 metres is sufficient for the LG 1800-1.0 to achieve enormous load capacities with the derrick system and very good erectable lengths without the derrick system. The benefit: Fixed supports are more stable and save weight. They are also easier to attach and detach as Liebherr has installed a quick coupling system. The new crane has one more axle than its predecessor and Liebherr uses the standard axles from the LTM crane product portfolio.

Ideal for the wind industry

With a chassis width of just 3.0 metres, the powerful lattice boom crane can be moved extremely economically both on the road and on construction sites and can even cope with gradients of up to 25 percent. These properties are of particular benefit when working in wind farms.

As the mobile brother, the LG 1800-1.0 can adopt the familiar boom systems of the LR 1800-1.0. There is both a main boom up to 180 metres long and a main boom luffing jib combination with up to 108 metres of main boom and 102 metres of luffing jib, with which a maximum hook height of 208 metres can be achieved. Thanks to optimised wind power boom systems, for example, it is possible to work with a boom of 174 metres and an 18-metre-long lattice type fixed jib at hub heights of 180 metres. The “WindSpeed Load Charts” with different permissible wind speeds of up to 13.4 m/s also ensure increased flexibility and safety in gusty operating conditions.

The legend grows – with a modified slewing platform

A further advantage: The equipment of the LG 1800-1.0 is compatible with the equipment of the LR 1800-1.0. All accessories from the head section to the lattice type fixed jibs and whip line are identical. All boom systems have the same designation as the LR 1800-1.0. The ten-tonne counterweight plates can also be used for other Liebherr crawler cranes – saving costs and possibly reducing transport distances. The only difference compared to the LR 1800-1.0 is a modified slewing platform that allows longer boom systems to be erected without a derrick.

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 highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality and user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 140 companies across all continents. In 2022, it employed more than 50,000 staff and achieved combined revenues of over 12.5 billion euros. Liebherr was founded in Kirchdorf an der Iller in Southern Germany in 1949. Since then, the employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Images



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It's a match: The new LG 1800-1.0 offers high-end mobile crane technology with the load capacities of a lattice boom crane.

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