

Press release

# Liebherr wins Heavy Lift Award in the Innovation category

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- **Crawler crane LR 12500-1.0 honoured for its combination of innovative solutions**
- **HighPerformanceBoom offers high lifting capacity**
- **Economical transport**

**The winners of the Heavy Lift Awards 2023 were announced at an awards ceremony at the Royal Lancaster Hotel in London on 25 October. Liebherr was honoured in the "Innovation" category for its new LR 12500-1.0 2,500-tonne crawler crane.**

Ehingen (Donau), (Germany), 23 November 2023 – The Innovation Award is presented to companies that have developed an innovative piece of equipment or technology to improve the transport or lifting of heavy and oversized cargoes.

The main prize in this category went to Liebherr this year. The company was described by the jury as a "master of innovation" and honoured for combining several innovations in one solution: the LR 12500-1.0 crawler crane sets new standards in the industry. The 2,500-tonne crane was designed as an economical crawler crane for global projects and raises the performance and transport capability of cranes in this class to a new level.

## **HighPerformanceBoom for maximum performance**

The key to its high lifting capacities is its wide lattice boom. The solutions to date have been a double boom like the PowerBoom or the widespread SX systems. However, the Liebherr designers chose a completely different path during the design process for the LR 12500-1.0 – they developed a powerful 7.5-metre-wide lattice boom which enables the LR 12500-1.0 to set new standards.

This HighPerformanceBoom gives the crane the power and stability of a PowerBoom whilst also reducing its weight. It is the key to the high lifting capacities of the powerful 2,500-tonne machine. For Liebherr, the next logical step after the PowerBoom and the SX boom was to develop the HighPerformanceBoom. The key attribute of this advanced development is the fact that the forces are transferred in the full width to the slewing platform.

## **Smart solution for economical transport**

Liebherr came up with something very special to enable such a wide boom to be transported economically – simply fold it up! However, this requires a sophisticated mechanism. The folded ten metre boom sections are then unfolded again on site and assembled using a special device. This stabilises the lattice type sections during the assembly process. As far as the dimensions are concerned, they were based on the container concept.

## 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.

## Photographs:



Heavy-lift-award-2023-liebherr.jpg

From left to right: Lyle Sibbald (Sales Manager Scotland), Paul Goodall (Sales Manager UK) and Michael Heckenberger (Liebherr-Werk Ehingen GmbH) accept the Heavy Lift Award for Liebherr. The English actress, author, presenter and comedian Lucy Porter (left) hosted the award ceremony.



liebherr-lr12500-1.0-highperformanceboom.jpg

The forces are transferred in full width to the slewing platform via the 7.5-metre-wide HighPerformanceBoom.

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