

Press release

Largest witches' broom in the world: Liebherr tower crane lifts steel components for regional attraction 'Harzer Hexenreich'

The highest viewing tower in the Harz Mountains, described as “the world’s largest witches’ broom”, has been erected in picturesque Rothesütte, not far from the Lower Saxony border. A Liebherr 340 EC-B 16 tower crane, with an impressive hook height of 57.5 metres and a 40-metre radius, was used for the challenging lifting work on site.

Nordhausen (Germany), 27 February 2025 – The construction site in Rothesütte, Germany, presented the Liebherr crane from company Hüffermann with significant challenges. Access to the site was difficult, which meant that work had to be planned and carried out with a great deal of precision. The Liebherr crane lifted 12.5 tonne steel sections into position on the tower’s concrete base for the planned lift installation. Around 2560 steel parts were needed in total and over 22,300 bolts were used to create the 452 tonne steel structure.

The Liebherr crane was instrumental in the project’s progress. Its high lifting capacity and flexibility made it possible to master the complex on-site requirements. The 340 EC-B 16 was dismantled at the end of 2024 after the last steel components had been successfully installed.

The ‘Hexenbesen’ (Witches’ Broom) forms part of the ‘Harzer Hexenreich’ (Harz Land of Witches) attraction

The viewing tower will be a major attraction in the Harz Mountains, opening up a world of discovery with an interactive exhibition that takes visitors into the fascinating realm of witches and myths. The tower will become part of the ‘Harzer Hexenstieg’ hiking trail, making it a major addition to tourism in the region.

With funding totalling 10.1 million euros provided by the state of Thuringia, the Harzer Hexenreich project is scheduled for completion in the course of 2025. The viewing tower is 70 metres high and offers visitors spectacular panoramic views of the Harz forests, meadows and mountains as far as the Wurmberg and Brocken.

About the Liebherr Tower Cranes Division

More than seven decades of experience have made Liebherr a recognised specialist for lifting technology on all types of construction sites. The range of Liebherr Tower Cranes encompasses an extensive selection of high-quality tower cranes that are used worldwide. This includes fast-erecting, top-slewing, luffing jib and special-purpose cranes as well as mobile

construction cranes. In addition to these products, Liebherr also offers a wide range of services that complete the company's portfolio: Tower Crane Solutions, the Tower Crane Center and Tower Crane Customer Service.

About the Liebherr Group

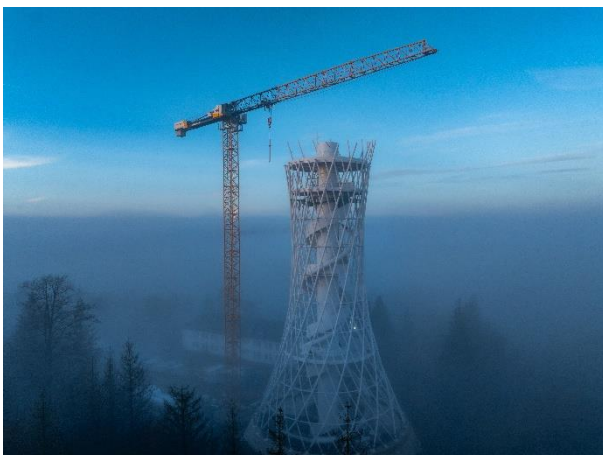
The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is one of the largest construction equipment manufacturers in the world. It also provides high-quality, user-oriented products and services in a wide range of other areas. The Liebherr Group includes over 150 companies across all continents. In 2023, it employed more than 50,000 staff and achieved combined revenues of over 14 billion euros. Liebherr was founded by Hans Liebherr in 1949 in the southern German town of Kirchdorf an der Iller. Since then, employees have been pursuing the goal of achieving continuous technological innovation, and bringing industry-leading solutions to its customers.

Images



liebherr-340-ec-b-16-hexenbesen-01.jpg

The Liebherr 340 EC-B 16 in the process of lifting steel components.



liebherr-340-ec-b-16-hexenbesen-02.jpg

Sunrise view of the Liebherr crane at the Hexenbesen tower.



liebherr-340-ec-b-16-hexenbesen-03.jpg

Blue skies for the Liebherr 340 EC-B 16 during work on the Hexenbesen tower.



liebherr-340-ec-b-16-hexenbesen-04.jpg

The outer structure of the Hexenbesen tower takes shape lift by lift.

Contact

Astrid Kuzia

Communication Specialist

Phone: +49 7351 / 41 – 4044

Email: astrid.kuzia@liebherr.com

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www.liebherr.com