

Press information

Family outing: Four Liebherr K series cranes support bridge construction project

- Four K series cranes in operation at once: two 81 K.1 and two 53 K
- Cranes impress with reaches of 48 and 40 metres as well as their high handling capacity
- Completion of the Versen floodplain bridge in Meppen six months ahead of schedule

Great teamwork by four Liebherr K series tower cranes in the centre of the Emsland region in North West Germany: two 81 K.1 and two 53 K cranes are currently being used for concrete work and formwork transport purposes during the construction of a bridge measuring over 200 metres in length.

Meppen (Germany), 22nd October 2020 – To facilitate management of a floodplain in the Emsland region for the next 100 years, a replacement of the Versen floodplain bridge is under way in Meppen. The 85 bored piles, which are more than 20 metres in length, are already in place. The bridge requires a total of 5,000 cubic metres of concrete and more than 700 tonnes of steel – all will be lifted by the four Liebherr tower cranes. The heaviest parts, formwork tables with infill zones, weigh between 2.2 and 3.1 tonnes. Overlapping operating areas have been created through the insertion of tower sections to ensure that all loads can be handled without the help of mobile cranes.

The Versen floodplain bridge is 211 metres in length and is therefore the second longest in the Emsland region, only beaten by a bridge in Rhede (Ems). As the entire length of the bridge requires optimal coverage, the crane company Maschinen- & Anlagen– Reparatur- & Montage GmbH, MARM for short, selected four Liebherr tower cranes: the two 81 K.1 are operating with a 48-metre radius and a hook height of 29 metres, the two 53 K with a 40-metre radius and a hook height of 23.8 metres. Alongside their reach, it was the high handling capacity of the cranes, a result of Liebherr's in-house produced drives, that proved to be a decisive factor for this choice.

Peter Herbers, managing director of the Meppen-based building contractor working on the 6.5 million euro project, and Bernhard Hackmann, the project manager responsible for the

Emsland district, are in agreement; so far, everything is going according to plan. “The project will be completed before the end of 2020, half a year ahead of schedule,” reports Herbers. He sees the fast disassembly of the K series cranes as a particular advantage, “On two occasions, the cranes have had to be dismantled and removed from flooded areas virtually overnight.”

As the construction of the floodplain bridge enters its final stages, the next assignment already awaits; the realisation of the longest bridge in the Emsland region, the River Ems and floodplain bridge in Rhede (Ems), which will measure approx. 300 metres. For the completion of this new replacement construction, the family-owned company will again be relying on the crane experts and solutions of Liebherr and its local dealer, MARM GmbH, in Lingen.

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, Tower Crane Customer Service and Tower Crane Center.

About the Liebherr Group

The Liebherr Group is a family-run technology company with a highly diversified product portfolio. The company is not only one of the largest construction equipment manufacturers in the world, but 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, engages more than 48,000 employees and, in 2019, achieved a consolidated total revenue of over 11.7 billion euros. Liebherr has pursued its goal of satisfying customers with industry-leading solutions and shaping technological progress since its founding in 1949, in Kirchdorf an der Iller in Southern Germany.

Images



liebherr-towercranes-k-cranes-meppen-1.jpg

Liebherr's K series cranes in operation at the bridge construction project in Meppen.



liebherr-towercranes-k-cranes-meppen-2.jpg

An early start for the K series cranes in Meppen.

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