

Liebherr 1000 EC-H tower cranes enjoy success around the world

- The largest standard crane in the EC-H range of high-top top-slewing cranes
- Maximum load capacities of 40 or 50 tonnes depending on version
- 11.5 or 11 tonne load capacity at maximum 80 m radius

Biberach / Riss (Germany) August 2014 – Since its successful launch of the 1000 EC-H at the Bauma 2013 in Munich, the largest standard crane in the EC-H series has been proving its worth in prestigious projects around the world. Several 1000 EC-H cranes are currently operating in countries such as the Netherlands, Great Britain, Mexico, United States of America, Peru and Russia. One of their current sites in Europe is the new-build of the Erasmus Hospital at Rotterdam in the Netherlands.

The construction of the new Erasmus Hospital in Rotterdam in the Netherlands is just one of the sites at which the 1000 EC-H 40 Litronic is currently operating. The 1000 EC-H managed to outscore its rivals during its transport and erection time at this site in the centre of Rotterdam. The transport sizes and weights have been so enhanced for this large crane that no special transport was required. The jib parts can be transported nested neatly inside the 1000-HC tower system to save space.

The practical erection technology used by the 1000 EC-H ensured that it was erected efficiently and safely. The slewing platform including the switchgear cabinet and cabin were placed on the tower in a single hoist. The "Connect and Work" quick-release fastening system which Liebherr offers as standard on all its tower cranes reduced erection times. The crane was fully erected and ready for use within just four days with a hook height of 67.9 m and a radius of 60.0 m.

Other Liebherr tower cranes, two 550 EC-H 40 Litronics and two 630 EC-H 40 Litronics ensure perfect load handling for this project. All the EC-H cranes are mounted on foundation anchors.

High hook heights and large load capacities are required for the construction which includes prefabricated concrete parts. The 1000 EC-H 40 Litronic hoists the prefabricated concrete parts which weigh up to 32 tonnes and positions them in their final location with millimetre precision using its Micromove fine positioning mode.

The new Erasmus Hospital is being built in the centre of Rotterdam. The construction process has been divided into three phases and on current estimates it will be completed in 2017. The total floor area of the hospital is 185,000 m² and the highest building will be 120 m in height. The complete building is being erected using prefabricated concrete parts.

The 1000 EC-H - the flagship for demanding jobs

The largest standard crane from Liebherr is ideal for demanding jobs with high load torque requirements. The flagship of the EC-H crane series is available in four different versions. The two-rope 20 and 25-tonne versions are for high lifting capacities at the jib tip. They achieve maximum lifting capacities of 40 and 50 tonnes respectively with double trolley travel gear and four-way reeving. These large lifting capacities can be positioned precisely using Micromove fine positioning mode.

With this high adjustability the 1000 EC-H is ideal for demanding jobs at dam construction, power station and industrial construction sites, for bridge construction and in shipyards.

Caption

liebherr-tower-crane-1000-ec-h-40-netherlands-201408.jpg:

Liebherr tower crane 1000 EC-H 40 operating in the Netherlands

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