

# WILBERT Kranservice GmbH



*Press release*

2007-06-19

## **WILBERT tower cranes building a new silo installation in the harbour of Brake (GER)**

In Brake, a small harbour city in the German state of Lower Saxony, WILBERT had to handle a tricky task: To build a 47,000 to storage silo for grain and fodder silo, two tower cranes were requested.

The task was as follows: To save space on the job site, both tower cranes had to be placed via a special construction within the silo on top of the cone, because rails on both sides of the silo had to stay into operation during the works.

The special baseframe for a WT 200 *e.tronic* and a WT 300 *e.tronic* were assembled in the height of 14 m on top of the cone, but could not be ballasted because of a lack of space. In order to ensure the necessary absorption of the forces, special anchor rods were mounted into the foundation.

As the tower cranes were placed within a very tight comb, the displacement had to be limited to 0.5 m in 58.0 m height. This procedure prevents a collision of the crane tower with the sliding form of the silo. Thanks to the flexible tower system of WILBERT tower cranes it was easy to handle this task.

The height of both tower cranes is notable as well: The WT 300 *e.tronic* was assembled with a freestanding tower height of 84.0 m and works within a radius of 55.0 m. A special 110kW high building hoist winch ensures fast working speeds. The WT 200 *e.tronic* with a freestanding tower height of 73.0 m and 40 m jib is only a little smaller.

The storage silo was built on a ground are of 22.0 x 61.0 m and consists of 38 single, alveolar silos and was build in two sections in sliding construction. The first section took 27 days, the second one only 21 days. 250 m<sup>3</sup> of concrete and 40 t of steel had to be handled each day. The height of the silo without engine house is 58.0 m and starts in the height of 14.0 m with a steel cone. The entire height of the building is 83.0 m.

### **About WILBERT Kranservice**

*WILBERT Kranservice GmbH works anywhere in Europe. Together with its partner company WILBERT Montage GmbH both companies offer a complete package consisting of rental, transport, assembly, disassembly and service. Both companies belong to the WILBERT group that consists since more than 80 years.*

Please do not hesitate to ask for further information:

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