

### **Liebherr at the WindEnergy Hamburg 2014 trade fair**

**Hamburg (Germany), 7 August 2014 – At the WindEnergy Hamburg 2014 international trade fair from 23 to 26 September 2014, Liebherr is presenting services from the areas of cranes and components for wind turbines at stand 224 in hall A1.**

At the on- and offshore trade fair WindEnergy Hamburg 2014, Liebherr is presenting a selection of crane models, among other things, for erecting wind farms. In hall A1 at stand 224, a LTM 11200-9.1 mobile crane model is on show against a model of a wind turbine. It is the most powerful mobile telescopic crane on the market and, with its 100 m long telescopic arms and various lattice jibs, is configured optimally for the demands of wind turbine erection. The 9-axle mobile crane is a highly efficient assembly unit for wind power technology thanks to its economic transport logistics and quick set-up time that requires little space.

Likewise exhibited against a wind turbine model is a type 630 EC-H 70 Litronic top-slewing crane model. This special tower crane is distinguished by a load bearing capacity of up to 70 tonnes and a lift height of 151 m. The 630 EC-H 70 Litronic can be set-up at a hub height of 110 m upwards in weak wind areas.

The programme of tower cranes for use in the wind industry is rounded off by the 1000 EC-B 125 Litronic flat top crane. The maximum load bearing capacity is 125 tonnes. With the new climbing equipment, the crane climbs twice as fast as conventional equipment, climbing up to a free-standing hoist height of over 100 m. With just one brace, the crane reaches a maximum hook height of 195 m.

Without exception, all cranes from Liebherr feature swivel systems made up of large diameter bearings and drive units developed and produced in-house. For the wind industry, Liebherr offers not only electromechanical pitch adjustment with gear mechanism in the area of rotor blade and yaw adjustment but also hydraulic pitch adjustment in conjunction with the corresponding blade bearings as a system. At the WindEnergy Hamburg 2014 trade fair, this can be seen on a rotor hub model that visitors can walk on.

In addition, Liebherr is presenting DAT 400 and DAT 450 slewing drives with a further developed design in the area of components. With the modular concept, weight saving benefits and potential for saving costs can be realised while maintaining the same level of performance. These drive units can also be viewed at the trade fair.

### **Captions**

liebherr-630EC-H70Litronic-montage-windkraftanlage-300dpi.jpg

Liebherr 630 EC-H 70 Litronic top-slewing crane erecting a wind turbine

liebherr-komponenten-wind-turbine-300dpi.jpg

Large diameter bearings and slewing drive units from Liebherr ensure precision yaw and rotor blade adjustment

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