

Press information

First main components of Liebherr HLC 150000 ready for installation on Alfa Lift

- **Slewing platform and A-frame on their way to the shipyard**
- **Component installation on Alfa Lift will be supervised by Liebherr experts**
- **Heavy Lift Crane HLC 150000 designed to meet current and future challenges in offshore operations**

In the afternoon on March 7, 2021, the deck cargo ship “BigLift Barentsz” left the Liebherr site at the port of Rostock with two remarkable, giant crane components ready for installation. The white painted slewing platform, as well as the characteristic A-frame of the upcoming Heavy Lift Crane HLC 150000, are now on their way to being assembled on OHT’s next-generation offshore wind foundation vessel Alfa Lift. With its unique combination of features, the Liebherr HLC series will be a key element for installing current and future wind farms around the world.

Rostock (Germany) March 2021 – Following their arrival in China, the slewing platform and the A-frame will be the first crane sections to be assembled on the Ulstein designed offshore installation vessel Alfa Lift. The tandem lift of the two large components was realised at the Liebherr site in Rostock using two strong representatives of their kind: the LR 11350 crawler crane and the TCC 78000, once again proving the importance of this powerful rail-mounted heavy-duty gantry crane. Due to the lifts taking place directly at the quay, the transportation vessel was able to start its journey by taking the shortest route to the Baltic Sea. The slewing platform and the A-frame will be assembled on Alfa Lift at the shipyard of China Merchants Heavy Industry (CMHI) in the province Jiangsu, close to Shanghai. When the installation of the two components is finalised, the boom will be delivered just-in-time to complete the HLC 150000.

“The crane can only be assembled and installed once the vessel has reached a specific phase in its construction. Therefore, the manufacturing timelines are finely balanced between Liebherr, OHT, and CHMI. Another important element of the partnership with OHT is our support and guidance for the initial setup of the crane onboard Alfa Lift. Due to the extensive experience of our experts, a team of Liebherr specialists will travel to China and support with supervision for the installation, commissioning and testing process (ICT) of the HLC 150000

at the shipyard,” said Gregor Levold, Sales Director of Ship and Offshore Cranes at Liebherr Rostock.

Bjarne Birkeland, Head of Vessel Management for OHT, said: “We have recently reached a significant milestone in the construction of Alfa Lift with the launch of the vessel and we are grateful to see the high-quality Liebherr 3000 tonnes Heavy Lift Crane components being shipped from their facilities ready for the next big milestone. We look forward to seeing the crane installed on the vessel and thank the experts at Liebherr for their excellent cooperation and diligence.”

Optimised for future wind park installations

With a maximum lifting capacity of 3,000 tonnes at 30 metres and 1,000 tonnes at 76 metres outreach, the HLC 150000 is ready for a wide range of applications. In general, the Liebherr HLC series design is characterised by a small footprint. The slew bearing diameter of the HLC 150000 is just 14 metres, consequently, the crane requires little space on deck and offers more storage space. Due to the special slip ring configuration, the HLC has a 360-degree unlimited slewing range.

In addition, the Liebherr HLC’s foldable A-frame reduces the height of the crane as needed. “Unlike many other crane vessels of this size, the Alfa Lift will be able to navigate waters crossed by bridges. This feature reduces transit-time, for instance when the vessel enters the Baltic Sea crossing the Storebæltsbroen in Denmark. The foldable A-frame provides more flexibility, which in turn leads to both operational and cost-efficiency, increasing the number of charter days and vessel availability,” said Gregor Levold.

For faster maintenance during operation, all components of the HLC are safely accessible via stairs and platforms. A key element of the maintenance concept is the integrated telescopic knuckle boom crane that is capable of lifting up to six tonnes. This service crane allows the exchange of the heaviest single components without the help of an external crane. This means a comfortable, fast, economical maintenance is guaranteed, independent of the vessel location.

High interest for shaping the energy revolution

The heavy lift crane series at Liebherr serves a worldwide growing market in offshore wind installation contributing to a sustainable energy provision. At the same time, existing offshore oil and gas installations will be decommissioned in larger sections to reduce transport costs. To meet these requirements in the best way, cross-divisional development and state-of-the-

art manufacturing processes are key factors for projects in both sectors. “Customers for this type of crane have very high quality and reliability demands, which we can meet and exceed. Our cranes are made in Europe with strong partners within the Liebherr Group as well as proven and reliable external suppliers. Main components like winches, slew bearing, and slewing drives of the crane are designed and manufactured by other Liebherr companies. This results in an independent supply chain and guaranteed availability of components”, said Gregor Levold. Since the feature-rich HLC series can be used for a wide variety of operations, the worldwide interest in the Liebherr heavy lift cranes keeps growing steadily.

In 2022, the HLC 150000 onboard Alfa Lift will start operating in the North Sea. The first project is the construction of the wind farm “Dogger Bank A”, about 130 kilometres off the north-east coast of England.

About OHT

OHT ASA is a specialist transport and installation (T&I) contractor and vessel owner-operator, with a leading environmental focus and a best for project approach. The company is one of the world's most experienced heavy transport vessel operators and a leading provider of highly engineered marine transportation solutions with a fleet of five open deck semi-submersible heavy lift carriers: MV Hawk, Osprey, Albatross, Falcon and Eagle. The addition of specialist offshore wind foundation and turbine installation vessels to the fleet is driven by OHT's commitment to the offshore wind sector, enabling a complete T&I offering for the next generations of offshore wind farms. OHT will soon launch their new build vessel Alfa Lift. A heavy installation crane vessel with semi-submersible heavy transportation capabilities, the Alfa Lift will be world's largest, custom-built vessel for offshore wind foundation installation and will optimise efficiency for the transport and installation of next generation foundations. OHT's wind turbine installation jack-up vessels will arrive to market from 2023 and will be capable of installing the next generations of Wind Turbine Generators (WTGs). The shipbuilding contract for the first GustoMSC designed NG-14000XL-G vessel was signed on 3rd October 2020. OHT's unrivalled fleet of installation vessels will soon start work installing the world's largest offshore wind farms, building a more sustainable future for the generations to come.

About Liebherr-MCCtec Rostock GmbH

Liebherr-MCCtec Rostock GmbH is one of the leading European manufacturers of maritime material handling solutions. The product range comprises ship, mobile harbour and offshore cranes. Reachstackers and components for container cranes are also included in the product portfolio.

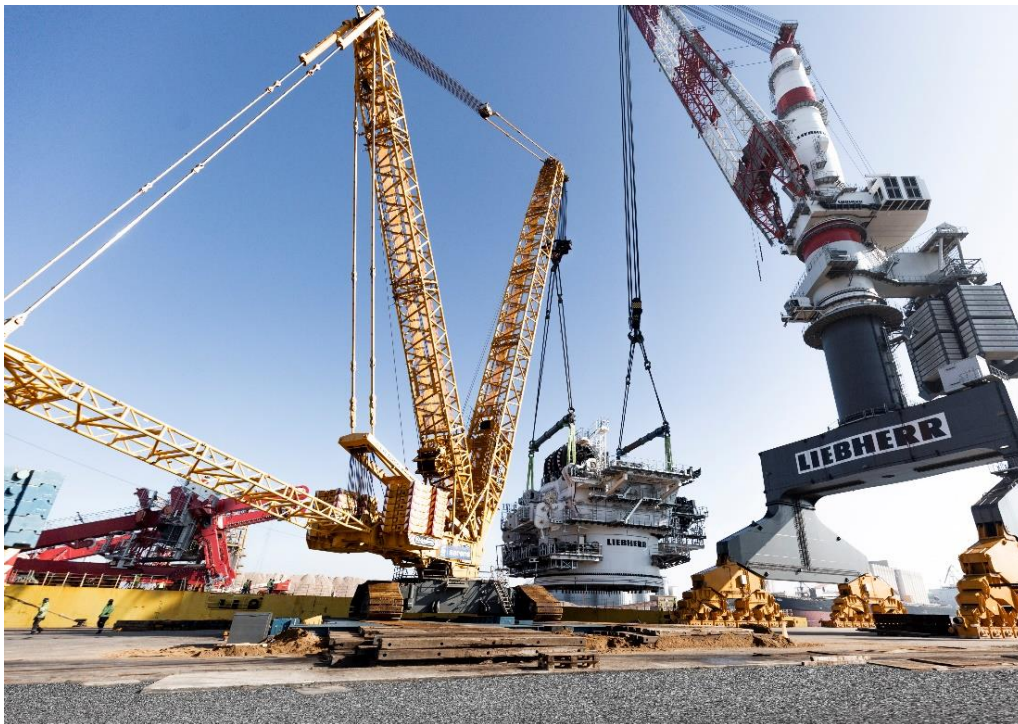
About the Liebherr Group of Companies

The Liebherr Group comprises more than 140 companies on all continents and has over 48,000 employees. In 2019, Liebherr achieved a consolidated total turnover of around 11.7 billion euros. As a global, family-run technology business, Liebherr is not only one of the largest construction machine manufacturers in the world, but is also recognised in many other sectors as a supplier of technically sophisticated products and services with focus on customer benefit. Liebherr was founded in 1949 in Kirchdorf an der Iller in southern Germany.

Pictures



The slewing platform and the A-frame of the HLC 150000 have been lifted onto the BigLift Barentsz.



Tandem hoist directly at the quay: Two powerful Liebherr cranes, the LR 11350 crawler crane and the TCC 78000, lift the slewing platform of the HLC 150000 onto the BigLift Barentsz.



Due to the lifts taking place directly at the quay, the transportation vessel was able to start its journey by taking the shortest route to the Baltic Sea.



The first project of OHT's vessel Alfa Lift is the construction of the wind farm "Dogger Bank A", about 130 kilometres off the north-east coast of England.

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