



PRESS RELEASE – FOR IMMEDIATE RELEASE

GustoMSC introduces the NG-20000X design with telescopic leg crane

Increased load capacities at different heights

Schiedam, Netherlands - June 6, 2017 – The NG-20000X is the solution for the installation of the next generation wind turbine components and foundations. This self-propelled jack-up design is characterized by a high variable load and large water-depth capability. Equipped with the GustoMSC integrated telescopic leg crane, the NG-20000X is capable of installing heavy foundations and when the boom is fully extended it reaches adequate lifting height and capacity to install future generation wind turbine components.

The wind-farm installation market has developed rapidly last years. The wind turbines currently under design and testing will require a new generation of installation jack-ups to deal with the increasing weight and installation height of wind turbine components and the ever heavier foundations. However, a different strategic approach is required for the future turbines with capacities beyond 10 MW.

“Key to the new approach is to stop the spiraling trend of growing crane weights due to the increasing requirements related to the heavy foundations and high installation heights, and to stay close to the proven design technology at the same time. By scaling up the jack-up design and jacking system and solving the challenging crane requirements in an innovative manner, the NG-20000X represents the next generation wind turbine installation jack-up in all its facets”, says Jan-Mark Meeuwisse, Commercial Director GustoMSC.

The NG-20000X design enjoys the advantages of the proven VSD jacking system and a large unobstructed deck area. The huge variable load capacity of 16,500 tons, enables the contractor to make a roundtrip carrying 6 complete sets of wind turbine components with a turbine weight of 1,000 tons, or carrying 7 pieces of 900 ton jacket foundations, optimizing the cost per installed turbine or foundation. Additionally, by further balancing out the jack-up design with an optimized leg design, the overall performance of the unit is improved.

A key feature is the innovative combination of high hoisting height for wind turbine installation and heavy load capability for foundation installation. To combine these two extreme requirements, GustoMSC has developed the **telescopic leg crane**. By introducing a telescopic boom that features a very high hook height when extended (1,250 metric tons at 160 meters) and offers an increased hoisting capacity when retracted (2,500 metric tons at 120 meters), it is possible to break the cycle of extremely long protruding booms and increasing crane weights, resulting in a more economic crane design and increased variable load available for operations. The telescopic leg crane has been designed on the basis of its successful predecessors: the GustoMSC leg encircling crane designs.

About GustoMSC

GustoMSC is an independent, world renowned and leading design and engineering company, thanks to the vast knowledge and expertise of our dedicated professionals and close cooperation with players in the offshore energy market. GustoMSC serves the offshore industry by providing the best-in-class solutions for mobile offshore units.

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