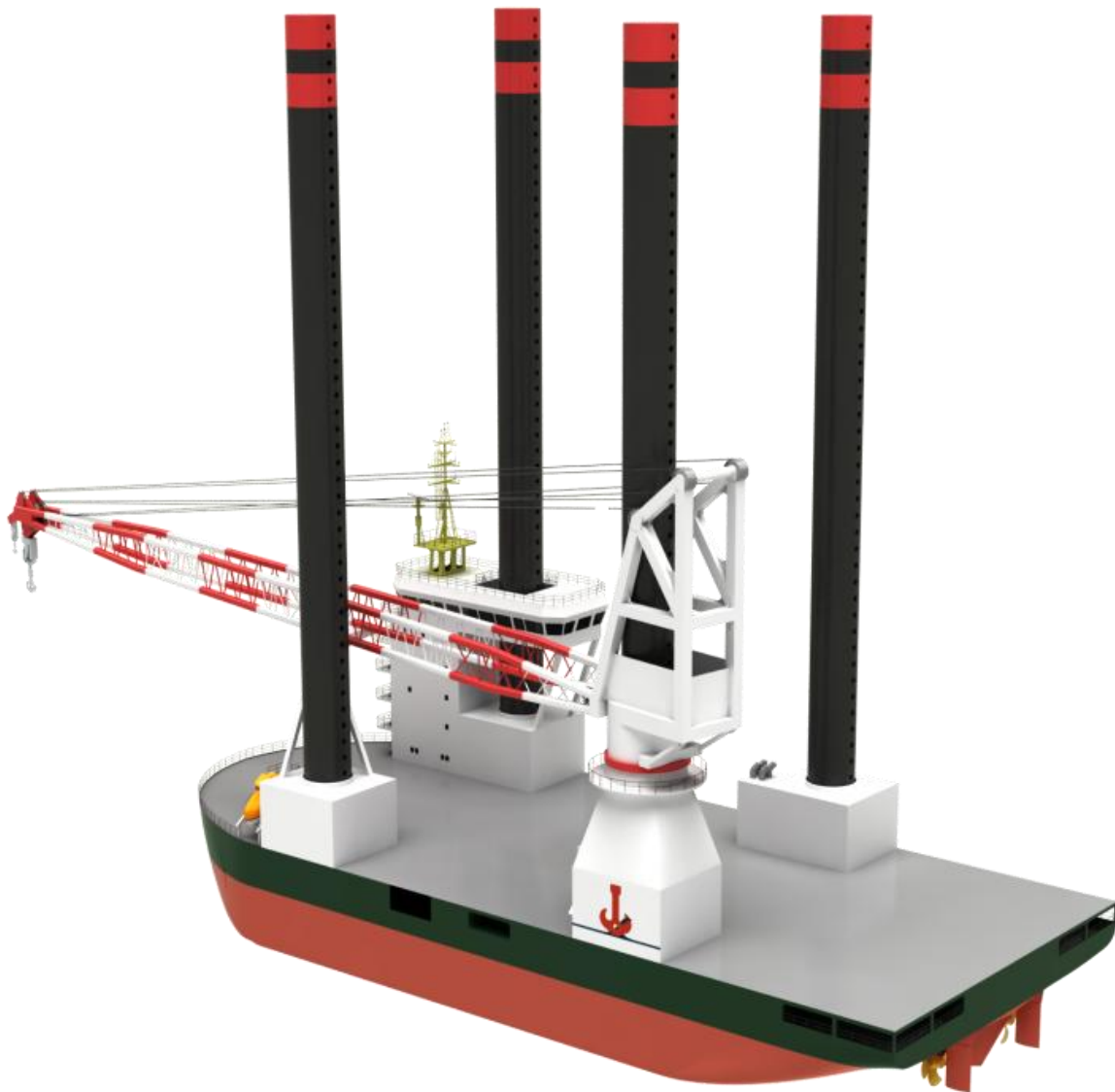


FLEXIBLE OFFSHORE JACKUP SERVICE & MAINTENANCE VESSEL



General description

The vessel is designed for supply and maintenance works of wind energy plants offshore. Therefore it is a self propelled unit with DP-2 capability.

For crane work an offshore heavy-lift crane with a capacity of 400 to is arranged at the portside aft. To ensure safe crane operation during installation the vessel is equipped with a high performance, double acting jacking system with four (4) tubular legs. The jacking unit of the aft leg on port side is located inside the crane foundation.

The vessel is able to maintain wind energy plants consisting of nacelle, hub and blades. In jacked up condition the vessel is a stable working platform for safe operation of the crane and the deck load. The crane can also be operated with full load in floating condition so that jacking in the harbor is not necessary. Therefore the vessel has a high performing ballast system also.

Heavy spare parts of wind energy plants can be transported from baseport to the wind field on the working deck without assistance of other vessels. Therefore the vessel is equipped with a diesel-electric propulsion plant with two conventional propellers and high-lift flap rudders.

The deckhouse is located ahead of the front jack-house on the starboard side and has space for twelve (12) persons. The infrastructure like galley, change room, day room and mess room is dimensioned for a total number of 59 persons. For staff intensive operation it is plant to arrange an accommodation unit on deck. Due to this design the vessel provides a high flexibility with a large working deck or space for a large crew.

