

Wind Turbine Installation Vessel "Voltaire"

General:	"Voltaire" is a self-elevating and self-propelled offshore wind turbines. The vessel is under co Industries in China and is expected to be delivered With four approximately 130 m long truss-type I jacking system, the vessel is able to operate on up m ² cargo deck, a 3,000 t main crane and a jackin carry and install even the largest wind turbines. The vessel is equipped with a DP-2 diesel-electric sets, 4 stern thrusters, 2 bow thrusters and 2 ret The accommodation block, which holds 100 cre divided into two separate blocks – one in each to be stowed in the CL between the two blocks. helicopter deck.	d vessel designed for installation of nstruction at COSCO Shipping Heavy ed to the Jan De Nul Group in 2022. egs and a high-speed rack-and-pinion p to 80 m water depth, and with 7,000 g deadweight of 14,000 t, it is able to propulsion system consisting of 8 gen ractable bow thrusters. w single cabins, is unique in that it is side – which allows long cargo items The vessel is further equipped with a
Main Particulars:	Length overall, excluding/including helideck Breadth, moulded Draught, max Depth to main deck Deadweight, max. Deadweight, for jacking	169.30/181.78 m 60.00 m 7.50 m 14.60 m 21,500 t 14,000 t
Capacity:	Main crane – main hoist max lifting capacity Aux. hoist Cargo deck	3,000 t 250 t @ 135 m 7,000 m ^{2,} , max. UDL 20 t/m ²
Speed:	Service speed, max.	11.5 kn
Machinery and Equipment:	Diesel generator sets (6.6 kV, 50 Hz) Emergency generator Azimuth stern thrusters Bow tunnel thrusters Retractable azimuth bow thrusters	4 x 3,535 kW 4 x 2,650 kW 600 kW 4 x 3,000 kW 2 x 2,600 kW 2 x 2,600 kW
Miscellaneous:	Classification Flag	DNVGL Luxenburg
Scope of Work:	The vessel is designed by Jan De Nul, but KEH has made a review of the general arrangement and the lightweight calculation and tender design drawings and FEM analysis of the main hull, legs and spud cans, leg wells, jacking frames and main crane pedestal.	
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SHIP DESIGN SINCE 1937