

## Swire Blue Ocean - Pacific Orca & Pacific Osprey

General:	The self-elevating and self-propelled vessel installation of offshore wind turbines and se The first of the two vessels was delivered fro second is expected to follow in the winter of The vessels are equipped with six 105 m lo jacking system. The long legs enable them to	s were designed for Swire Blue Ocean, Denmark, for upport in the offshore oil & gas sector. om Samsung Geoje Shipyard in October 2012 and the of 2013. ng truss-type legs and a high-speed rack-and-pinion to jack to a height of 17 m above the water on 60 m
	water depth, and thus elevated safely abov storm conditions. Should 60 m water depth	the waves they can survive even the most severe not be enough the legs can be lengthened by further
	The 1200 t work-around-leg crane is capabl towers 120 m above the sea, and the 4300 turbines	e of installing 500 t heavy nacelles on top of turbine 0 m <sup>2</sup> cargo deck has space for up to twelve 3.6 MW
	The relatively fine hull lines in the bow give with 4 stern thrusters, 2 bow thrusters + 2 c system the vessels have state-of-the-art ma	s the vessels a good speed even in higher waves and drop-down thrusters and a DP-2 dynamic positioning neuverability.
	The accommodation holds 111 crew single crew facilities and offices. A heli-deck is f transfer of crew.	cabins with private bathrooms as well as necessary itted forward above the accommodation block for
Main Particulars:	Length o.a. Length p.p. Breadth Depth to main deck Draught, design. Draught, max. Deadweight for jacking	160.90 m 155.60 m 49.00 m 10.40 m 5.50 m 6.00 m 8.400 t
Speed:	Service speed, 90 % MCR, 15 % S.M.	13.5 knots
Propulsion:	Diesel electric Main generator sets Stern thrusters Bow thrusters	8 x 2.8 MWe 4 x 3.4 MW Compact Azipod 2 x 2.2 MW retractable + 2 x 2.2 MW tunnel
Capacity:	Capacity of main crane's main hoist Capacity of main crane's aux. hoist Capacity of aux. crane Helicopter landing deck	1200 t @ 31 m (2x 600 t hooks) 500 t @ 50 m 40 t @ 40m D= 22 m @12.8 t
Miscellaneous:	IMO number "Pacific Orca"/ "Pacific Osprey	9601326/9621704
Scope of Work:	Conceptual and Tender Design developed for General design and contract specification Lines plan and supervision of towing tank a Stability and lightweight calculation Structural design Layout of machinery spaces	or the Owner, including: nd wind tunnel testing
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