

SHIPYARD DE HOOP AWARDED WITH PRESTIGIOUS ORDER

Ten state-of-the-art platform supply vessels

Shipyard De Hoop received an order to design, build and deliver ten Platform Supply Vessels (PSV) for Abu Dhabi National Oil Company (ADNOC). ADNOC issued the invitation to tender at the beginning of 2013, following technical prequalification the group of tenderers was reduced to a shortlist of candidates from different nationalities. The prestigious contract was won by Shipyard De Hoop during the final (commercial) round as result of their technically advanced design at competitive terms.



With this order for ten ships, De Hoop are boosting the Dutch economy and the local industry. The first vessel is to be delivered early 2015, whilst the delivery of the other 9 vessels is equally spread over almost 1,5 years, with the last PSV to be handed over at the end of 2016. The complete production of the 10 vessels will be split between the two shipyard locations of De Hoop, Lobith and Foxhol. The vessels will operate in the offshore oil and gas fields of the United Arab Emirates, under the operating company ESNAAD, which is a member of the ADNOC Group.

Gulf

These ships, having main dimensions of 65 x 15.8 metres (L x B), herald the yet another evolution of the proven De Hoop PSV designs. The vessels will meet the imposing operational and environmental requirements for working in the Arabian Gulf. This PSV design will have the highest possible DNV Environmental Regularity Number (ERN) score of quadruple 99. This represents the highest score in optimal use of all thrusters and the effect of a single-thruster failure or the worst-case single failure(s).

Propulsion

The diesel-electric propulsion system of the vessel consists of two azimuthing thrusters in the stern and two bow thrusters. The hull form below the waterline is optimised to reduce drag, allowing for a transit speed of 13 knots at lowest possible power (2500kW), whilst the shape above the waterline is designed to obtain a very low drag coefficient (Cd), thus reducing the power requirements in DP-mode considerably. The vessel will have three generator sets of 1600kW each, driven by medium speed diesels, to power the propulsors and other consumers. The high level of redundancy guarantees the vessel remains fully operational, even with one complete generator set out of service. The PSV will be kept on station with a dynamic positioning (Lloyd's Class DP(AA)/DP2) system, when carrying out loading / unloading operations around offshore drilling rigs or production platforms.

Accommodation

This technically advanced ship will benefit from Shipyard De Hoop's knowledge and experience in luxury cruise vessels to provide a high standard of accommodation. This includes meeting

the low noise and vibration levels required by Lloyd's Rules for Crew Accommodation Comfort, for which the PSV will be assigned with the CAC3 class notation. The forward located superstructure offers accommodation to 28 people in single-berth or two-berth cabins with en suite bathrooms. The accommodation is spacious with optimised air treatment and other features to provide the crew with an exceedingly high level of comfort. The full width navigation bridge, with a 360 degree enhanced visibility, comprises an extensive package of nautical, navigation and communication equipment. The bridge wings are enclosed and each have a navigation console containing all relevant controls from which the vessel can be operated. Furthermore the accommodation consists of ample office spaces, mess rooms, day rooms, galley, laundry and stores. To facilitate the Islamic worship, a prayer room will be provided.

Although this series of vessels are primarily designed for offshore supply purposes, they can also serve as a basis for a wide array of other offshore support services, such as stand-by services and fire fighting.