

AHTS vessel from operator's own yard

Sealink Alexandria 2 is a brand new AHTS vessel built for Sealink, a Malaysia-based integrated service provider which builds, owns and operates a diverse fleet of offshore marine support vessels. The vessel was built at one of the company's own two yards located in Miri, Sarawak.

Measuring 67.30m x 17m with a maximum draft of 17m, the ABS-classed vessel is powered by a pair of 3,200hp Yanmar diesels turning Berg CPPs inside Kort nozzles to give a bollard pull of 80 tonnes and a free-running speed of 13 knots. Two independent high-lift rudders are fitted and manoeuvrability is enhanced by three 8-tonne Schottel transverse thrusters, two at the bow and one aft.

Auxiliary power is provided by three 405kW Caterpillar generator sets and two 1,280kW shaft generators. A main engine driven FiFi1 system from Kvaerner Eureka feeds two monitors mounted on a monkey island above the wheelhouse roof.



Berths for 70 in fully air-conditioned quarters are provided throughout four decks topped by a spacious bridge, having control consoles fore and aft plus overhanging wings. The GMDSS system complies with Area 3 and the dynamic positioning with integrated joystick, to DP2 requirements, is from US-based L3 Communications.

The timbered aft deck has an area of 462m² and can carry 500 tonnes. The double-drum anchor-handling/towing winch, capable of holding 1,400m of 58mm line, is from Zicom and has a brake load of 250 tons. Other items of deck machinery, also supplied by Zicom, include two 5-ton capstans, a pair of 10-ton tugger winches, a 200-ton SWL stern

roller and a storage reel. There is also a Karm fork/towing pin unit installed ahead of the roller.

Four dry bulk silos give capacity for 200m³ and tanks are available for 510m³ of fresh water, 250m³ of drill water and 200m³ of liquid mud. Some 850m³ of fuel oil can be carried and the vessel's range is 9,240nm at approximately 11 knots.

Standby, safety and supply functions

Swissco Offshore (PTE) Limited based in Singapore has taken delivery of a new multi-purpose vessel designed and built by Guangzhou Panyu Lingshan Shipyard Ltd, Guangzhou, China. Described both as a standby safety tug and having a supply vessel function, the 40.62m overall x 10m *Swissco Summit* has a draft of just 3.10m, a bollard pull of 30 tonnes and the ability to take on board 100 survivors.

Classed by Bureau Veritas, the new vessel is powered by a pair of Cummins KTA38 M2 diesel engines, each developing 1,200 hp at 1,800 rev/min which turn propellers, from the Yuan Hang Propellers Manufacturing Co, in nozzles via Reintjes type WAF562L gear boxes with a 5.9:1 reduction ratio. The port main engine also drives the external fire-fighting pump which has an output of 1,470m³/hr and feeds two monitors, mounted on the wheelhouse roof, and a self-drenching system from FFS AS. Additional below-deck machinery includes three



Caterpillar 215kW generator sets and a ZF-HRP bow thruster.

On main deck there is a hospital, with direct access from the aft deck, laundry, galley, exceptionally large mess area, seating room for survivors, and a four-person cabin plus two sanitary spaces. The forecastle deck has three four-person cabins, a two-person cabin and single cabins for the captain and chief engineer. All on this

level have en suite facilities. In addition there is a ship's office.

The bridge has a full-width console forward tight to the bulkhead and a chart table to starboard opposite the GMDSS position. There is also a twin island aft control position. JRC has provided the bulk of the electronic items including radar, echo-sounder GPS, SSB radio, Navtex and VHF.

There are doors both sides

to the bridge deck which is extended aft to provide a support platform to two 25 knot, outboard powered, 10-man rescue craft mounted on a side-launching system. A Sormec knuckle boom deck crane is fitted on the port side of the timber-clad aft deck abaft the main winch, a 40-ton unit from Marine Equipments Ltd (a Halcyon Company) which also supplied the forward anchor windlass.