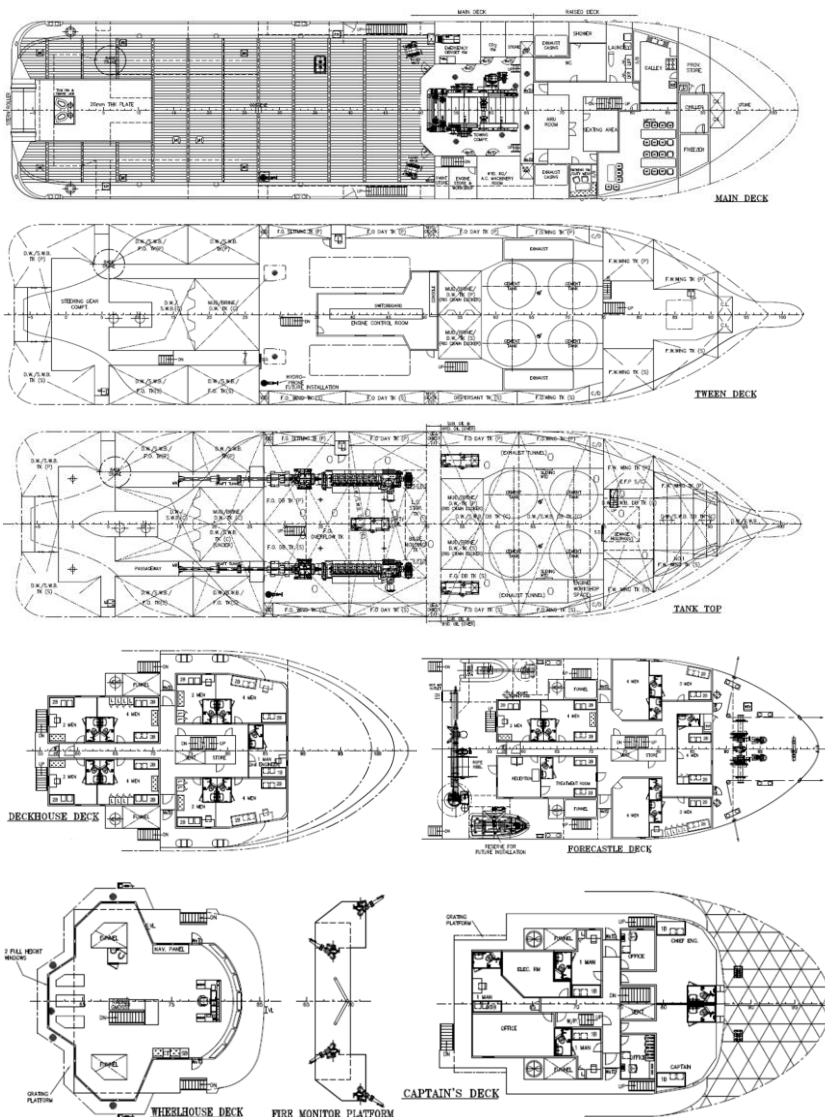


66 米多功能海洋工程供应船  
66M OFFSHORE SUPPORT VESSEL



The vessel is designed and built as an offshore support vessel, which has twin screw with controllable pitch propeller, two (2) bow/ two (2) stern tunnel thrusters and two (2) station controls in wheelhouse. Two main diesel engines with  $2 \times 2666\text{kw}$  totally.

Bollard pull is no less than 96t at 100%MCR. Performance speed is no less than 13 knots at 100% MCR. It is classed to DNV and satisfy external FI-FI II class & Dynamic positioning II requirement.

It can transport liquid cargo, bulk cement, liquid mud, stores, materials & equipment, also can perform towing & anchor handling duties. It can be a salvage vessel, do a service for seabed oilfield which has production platform, equipped with device for fire fighting, salvation etc..

This vessel has the advantages of large power, good sea-keeping performance, excellent manoeuvrability, advanced equipment. Its technology is in the highest flight across the world.

**66 米多功能海洋工程供应船**  
**66M OFFSHORE SUPPORT VESSEL**

**PRINCIPAL PARTICULARS**

**Length overall:** .....67.20m.  
**Length between pp:** .....58.90m.  
**Breadth moulded :** .....16.00m.  
**Depth moulded :** .....6.50 m.  
**Design draft:** .....5.00m.  
**Scantling draft:** .....5.10m.  
**Bollard pull:** .....Min. 96t with main at 100%MCR.

**REGISTRATION**

**Builder:** .....Qingdao Yanfan Shipbuilding Co., Ltd.  
**Flag:** .....Singapore  
**Classification:** ...DNV. Maltes Cross+1A1 Offshore Service Vessel, SPS, Clean, DYNPOS-AUTR, E0, Fi-Fi II COMF-V(rating3), TMON, Recycable, BIS for unrestricted service.  
**Regulation:** .....SOLAS, Marpol, IMO A 469 (XII).  
**Delivery:** .....April 2016

**PERFORMANCE SPEED**

**Min. 13 knots at 100% MCR**

**ENDURANCE**

**Min. 25 days**

**ACCOMMODATION**

Captain's Deck	Deckhouse Deck	Forecastle Deck	Total
5x1MAN=5MEN	1x1MAN=1MAN 4x2MAN=8MAN 4x4MAN=16MAN	4x4MEN=16MEN 1x2MEN=2MEN 2x3MEN=6MEN	
5MEN	25MEN	24MEN	54MEN

**PROPULSION – MACHINERY**

**Main engines:** 2x2666KW  
 ● **Maker:** CATEPILLAR  
**Shaft generators:** 2x1200KW, 440V/60Hz  
 ● **Maker:** LEROY SOMER  
**Auxiliary generators:** 3x550KW, 440V/60Hz  
 ● **Maker:** LINDENBERG  
**Emergency generator:** 1x150KW,440V/60Hz  
 ● **Maker:** LINDENBERG  
**Main propellers:** 2xCPP  
 ● **Maker:** Berg Propulsion AB. (Sweden)  
**Tunnel thrusters aft:** 2x500KW  
**forward:** 2x950KW  
 ● **Maker:** Wartsila  
**Rudders:** 2xoff high lift flap rudder

**ELECTRONICS**

● **Maker:** Furuno + Raythe ( Anschuts )  
 2xradar 96NM X-band  
 3xgyrocompass system with repeaters  
 1xecho sounder  
 1xspeed log  
 1xGPS  
 2xDGPS  
 1xradio system compliant with GMDSS A3 rules

**DP SYSTEM (class II)**

● **Maker:** KONGSBERG  
**ERN NUMBER:99,99,96,96**

**SPECIAL EQUIPMENT:**

**FIFI II :** 2x3700 M<sup>3</sup>/h  
 ● **Maker:** FFS  
**Liferafts:** 4x25men & 4x20 men inflatable liferafts  
**Rescue/Workboat:** 1xsemi rigid type rescue boat  
 1x40HP long shaft motor capable of carrying 6 persons & 1x  
 1.65t SWL remote operated davit for lifting and launching  
**Cranes:** 1xelectro-hydraulic & luffing deck crane, 3t. at 10m radius

**CAPACITIES & PUMPS**

**FW/DW/SWB tank:** .....700M<sup>3</sup> approx.  
**FW tank:** .....420 M<sup>3</sup> approx.  
**F. O. tank:** .....590 M<sup>3</sup> approx. ....Pump2x20 M<sup>3</sup>/h  
**F. O. overflow tank:** .....18 M<sup>3</sup> approx.  
**Cement tank:** .....215 M<sup>3</sup> approx.  
**Liquid mud/Brine DW tank:** ...350 M<sup>3</sup> approx. ....Pump2x100 M<sup>3</sup>/h  
**Brine/DW/SWB tank(or rig chain locker):**...150 M<sup>3</sup> approx.  
**Lub oil:** .....12 M<sup>3</sup> approx.  
**Dispersant tank:** .....15 M<sup>3</sup> approx.  
**Sewage holding tank:** .....16 M<sup>3</sup> approx. .... Pump1x15 M<sup>3</sup>/h  
**Bilge holding tank:** .....7 M<sup>3</sup> approx.  
**Dirty oil tank:** .....8 M<sup>3</sup> approx.  
**Hydraulic oil tank:** .....7.5 M<sup>3</sup> approx.

**TOWING/MOORING WINCH**

**Anchor:** 2xAC-14 high holding power anchors, each min. 1845 kg  
**Chain cables:** 467.5M total length, 44mm dia. Grade 2 high strength stud link chains.  
**Mooring lines:** 4x170m long mooring rope of minimum 186kN breaking strength  
**Towing wire:** 1x190m @ 479kN breaking strength  
**Anchor Windlass:**  
**Duty pull:** 12.4t at 0 to 21m/min  
**Gypsy size:** suitable for 44mm dia. U2 high strength stud line chain.  
**Chain stopper:** suitable for 44mm dia. U2 high strength stud line chain.  
**Brake control:** manual operated band brake  
**Gypsy clutch:** manual operated jaw clutch  
**Mooring Storage Drum:**  
**Drum capacity:** 220m x 64mm P.P tope approx.  
**Duty Pull:** 15.8t at 0 to 18 m/min (1st layer)  
 : slack rope at 0 to 69 m/min  
**Brake control:** manual operated band brake  
**Drum clutch:** manual operated jaw clutch.  
**Mooring Bollards**  
**Bollards:**10x10" NB sch 80 heavy pipe bollards  
**Mooring Posts/Closed Chocks:** 6xmooring pipes & 3xclosed chocks, 300x400  
**Stand Roller:** 6x250 mm dia. & 2x200mm dia. Fair lead-open type stand roller  
**Towing Pins:** 2x200 t SWL  
**Shark jaws:** 2x11/4" to 4" dia. Wire and chain. SWL 300t  
**Capstan:** 2xvariable speed hydraulic capstan  
**Duty pull:** 10 t @ 0 to 18 m/min  
 : lightline speed @ 0 to 19 m/min  
**Tugger Winch:**2xvariable speed hydraulic Tugger  
**Duty pull:** 10 t pull @ 0 to 24 m/min  
 : 3 t pull @ 0 to 75 m/min  
 : lightline speed @ 0 to 97 m/min  
**Storage Rope Reel:** 1xvariable speed storage rope reel  
**Duty pull:** 7 t @ 0 to 75 m/min  
 : lightline speed @ 0 to 127 m/min  
**Electric-Hydraulic power pack for Deck Machinery:** 3x electric hydraulic power pack