

**Brief Specification For Proposed New 78.0M Platform Supply Vessel****PRINCIPAL PARTICULARS**

(Approximate for guidance only)

Length overall :	78.00m
Length B.p:	70.20m
Breadth:	18.6m
Depth moulded:	7.80m
Draft designed:	6.00 m
Summer draft:	6.4m
Deadweight	4,000 t (estimated) at summer draft
Built:	Xiamen Shipbuilding Industry Co. Ltd, China
GRT/NRT:	3584/1075 tonnes (estimated)
Class:	ABS
Notation:	A 1 (E) Offshore Support Vessel, (Supply-HNLS, OSR-C1, FFV 1),SPS AMS, DPS-2, ACCU, UWILD
Flag:	Singapore

**PERFORMANCE**

Maximum Speed:	12.6 knots at trial condition at 100% MCR, at 6m draft(estimated)
Economical Speed:	10.08 knots (estimated)
Type of Fuel:	MDO (Marine Diesel Oil)

**CARGO CAPACITIES**

Deck Cargo:	1500 t, VCG 0.8m above deck
Deck Strength:	7.5t/m <sup>2</sup>
Clear Deck Area:	abt 800m <sup>2</sup>
Fuel Oil:	1197m <sup>3</sup> Including Cargo F.O
Fresh Water:	647m <sup>3</sup>
Ballast/Drill Water:	1,395m <sup>3</sup>
Liquid Mud/Brine:	835m <sup>3</sup>
Bulk Cement:	300m <sup>3</sup>
Foam/Detergent:	39m <sup>3</sup>
Dispersant:	32m <sup>3</sup>
Methanol:	223m <sup>3</sup>

**CARGO PUMPS**

Fuel Oil:	2 x 100m <sup>3</sup> /hr, Azcue, BT-LV-125T-F
Fresh Water:	1 x 100m <sup>3</sup> /hr, Azcue, LN-65-250- Φ252
Drill Water:	1 x 100m <sup>3</sup> /hr, Azcue, LN-65-250-Φ252
Liquid Mud:	2 x 75m <sup>3</sup> /hr, PG
Bulk Cement:	2 x 75m <sup>3</sup> /hr, Unislip

**PROPULSION SYSTEM**

Main Engines:	2 x 2353kW x 750 r.p.m, 8DKM-28eF
Main Generator :	4 x 450 kW, 415V, 50 Hz, Caterpillar
Emergency Generator :	1 x 99 kW, 415V, 50 Hz, Caterpillar
Shaft Generator :	2 x 1100kW, 415V, 50 Hz driven by front P.T.O. of ME, Leroy Somer
Bow Thruster :	2 X 10 tons, Kawasaki, CPP type
Propulsion:	2 x Azimuth CPP Propellers

**DECK EQUIPMENT**

Anchor Windlass:	2 x 10.0t @ 18.0m/min
Bow Anchors:	2 x 2460 kg, AC-14, HHP stockless
Capstan:	2 x 5 mt x 0-15 m/min
Tugger Winch:	2 x 10t @ 12m/min
Deck Crane:	1 x 5.0t x 10m, radius

**Accommodation**

Crew:	8 x 1 berth cabin: 8 men
	4 x 2 berth cabin: 8 men
	11 x 4 berth cabin: <u>44 men</u>
	60 men
Total:	1 berth x 1 man
Hospital:	All Cabins are fully air-conditioned and completed with attached washroom.

**RADIO AND NAVIGATION EQUIPMENT**

GMDSS:	1 x Furuno RC-1800F(Area A1+A2+A3)
Immarsat C:	1 x Furuno Felcom 18
Navtex Receiver:	1 x Furuno NX 700A
SART:	2 x McMurdo S4
EPIRB:	2 x McMurdo E5
Portable VHF Radios:	3 X McMurdo R5
Radar:	1 x Furuno FAR-2817 (X-Band) 1 x Furuno FAR-2837S (S-Band)
Echo Sounder:	1 x Furuno FE-700
DGPS:	1 x Furuno GP-150
Gyrocompass:	3 X Anschutz Standard 22
Autopilot:	1 x Anschutz Pilotstar-D
Magnetic Compass:	1 x Lilley&Gillie MK -2000S
Weather Fax:	1 x Furuno FAX - 408
Speed Log:	1 X Furuno DS - 80
AIS:	1 x Furuno, FA 150
ECDIS:	1x Furuno, FMD-3300
BNWAS:	1 x Stein Shon, A006.6
VDR:	1 x Furuno, VR-3000
Fleet BroadBand:	1 x Furuno-FB500

Dynamic Positioning System-2	Kongsberg Maritime K-Pos.DP-21 a) 3 x gyro compass b) 3x Wind Sensors c ) 3 x Motion Reference unit d) 3 x DGPS e) 1 x Cyscan f) 1 x HiPAP Gate Valve g) 1 x Independent joystic, cJoy
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**FIRE FIGHTING EQUIPMENT & ANTI-POLLUTION EQUIPMENT****External**

FiFi System:	Class 1 with water curtain all around superstructure
Fire Pump:	2 x 1700 m <sup>3</sup> /hr at 125m, SFP250X350HD driven by front PTO of ME
Monitors:	(water/foam)- 1x1200/300 m <sup>3</sup> /hr, FFS, 1200/300LB (water)- 1 x 1200 m <sup>3</sup> /, FFS, 1200/300LB Throw length/height: 120m/50m at 70m distance
Oil Dispersant System:	2 x Spray nozzle (P&S)

**Internal**

Emergency Fire pump	1 x 45 m <sup>3</sup> /hr at 60m head Azcue
CO2 Fixed Fire extinguishing system in engine room	
Fire detection & alarm system in common area and engine room	

**MISCELLANEOUS**

Search Lights:	3 x 2000w, Halogen
Floodlights:	5 x 1000w, Halogen
Liferafts:	8 x 25 men SOLAS approved type
Rescue Boat & Davit:	1 x 9 men powered by 125kw inboard engine
Oil Water Separator:	1 x DELTA OWSA-2.5, 2.5m <sup>3</sup> /hr with 0~30ppm alarm Detegasa, Spain
Water Maker:	2 x 10 m <sup>3</sup> /day, Hansun, HSRO-10B
Sewage Treatment Plant:	1 x 70 men/day, DELTA TYPE BIO PRB-490, Detegasa Detegasa

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