



## Platform ROV / Support Vessel Greatship Roopa



### General

Yard No	222
Delivery Date	11.07.2012
Basic Functions	Transportation of pipes, fresh water, diesel, methanol, bulk cement, stores, material, equipment and men between platforms and shore and external fire fighting and oil recovery
Classification	LR+100A1, Offshore Supply Ship, *Oil Recovery, Fire Fighting Ship 1 (2400m <sup>3</sup> /hr), with Water Spray, *IWS, RD (Liquid Product Tanks 2.8), LFPL (Methanol, 12 Deg.C, Methanol Tanks), EP (B.G.I.O.P.R.S), WDL (5T/m <sup>2</sup> Upper Deck aft of fr 84), + LMC, UMS, DP (AA), PCR (74)(39), NAV 1, CAC 3 in Dual Class with IRS
IMO	9570761

### Dimensions

Length overall	78.00 m
Breadth moulded	17.00 m
Depth moulded	8.00 m
Summer Draft	6.30 m

### Performance

Speed	14.1 Knots (@100% MCR Power)
Endurance	35 days (Cruising 9200 nm @ 11 knots)

### Capacities

Gross Tonnage	3226
Deadweight	3650 tons @ 6.3 m draft
Net Tonnage	967
Fuel Oil	1310 m <sup>3</sup>
Potable/ fresh Water	761 m <sup>3</sup>
Liquid Mud	988 m <sup>3</sup> (2 grades)
Brine	790 m <sup>3</sup>
Drill water / Ballast Water	900 m <sup>3</sup> (including roll reduction tanks)
Dry Bulk capacities	320 m <sup>3</sup> in 4 Tanks (2 Grades)
Base Oil	396 m <sup>3</sup>
Methanol	140 m <sup>3</sup>
Dry Cargo	100 t
Deck Cargo	1600 t
Cargo Deck Dimensions	51.0 m x 14.0 m
Deck Area	726 m <sup>2</sup>
Deck Strength	5 t/m <sup>2</sup>
Roll Reduction Tanks	2
Foam Tank	20 m <sup>2</sup>
Freezer Room	13.44m <sup>3</sup>
Cooler Room	17.03m <sup>3</sup>
Fresh Water Generator	25 tons/day

### Deck Equipment

Capstans	2 x 8 tons @ 0 ~ 15m/min.
Tugger Winches	2 x 10 tons @ 0 ~ 15m/min
Deck Crane	1 x 3 tons @ 16m

### Discharge

Dry Bulk	2 x 25 m <sup>3</sup> / min at 5.6 bar
Fresh Water	2 x 100 m <sup>3</sup> / hr at 9 bar
Ballast/ Drill water	2 x 100 m <sup>3</sup> / hr at 9 bar
Liquid Mud / Brine	3 x 75 m <sup>3</sup> / hr at 9 bar
Base Oil	1 x 90 m <sup>3</sup> / hr at 9 bar
Fuel Oil	2 x 100 m <sup>3</sup> / hr at 9 bar
Methanol	2 x 75 m <sup>3</sup> / hr at 9 bar
Tank Cleaning	Suitable for mud tanks

### Propulsion & Machinery

Main Engines	2 x 2360 kW, Total 4720kW
Propellers	2 x CPP

### Thrusters

Bow	2 x 882 kW, Tunnel
Stern	2 x 588 kW, Tunnel

### DP System

Make	DP 2, Kongsberg K-POS DP-21
PMES	2 x DGPS, L1/L2 (INMARSAT & GLONASS) Fanbeam, prepared for 2 x UBSL C Joy Joystick, Remote Diagnostics

### Auxiliary Machinery

Shaft Generators	2 x 1800 kW
Diesel Generators	2 x 440 kW
Emergency Generators	1 x 85 kW
Supply System -Voltage	440V, 60Hz, 3 Phase

### Accommodation

For Officers and Crew	16
1 Man Cabins	4
2 Man cabin	6
For Passengers	34
1 Man Cabins	2
2 Man Cabin	16
Hospital	1 Bed
Total Accommodation	50 Berths, Fully Air-conditioned
Office	2 Nos, Charterers and Ship

### Anchoring Equipment

Windlass	1 x Anchor/Mooring Winch
Anchors	2 x 1800 Kgs, High holding Stockless
Chain Cables	300 m x 44 m (dia) on each side

### ROV Support

Removable Bulwarks	Suitable for ROV P&S
ROV Control Room	1 No.
Deck Sockets	2 x 440V, 2 x 220V
ROV Plug - in	All wiring connections from deck

### Regulatory Compliance

SPS Code 2008	Yes
Sewage Treatment Plant	Suitable for 50 persons including grey water
Crew Accommodation	Comfort
Environmental Protection	Complies with Class & IMO Regulations for Noise & Vibration
	Complies with IMO Regulations & highest Class requirements for Environmental Protection

### Navigation/ Communication Equipment

Radar X and Radar S	Furuno
Echo Sounder	Furuno
EPIRB	Jotron
Magnetic Compass	Cassens & Plath
Gyro Compass	Sperry
SART	Jotron
Auto Pilot	Sperry
GMDSS Handheld Radio	ICOM
AIS	Furuno
GPS Receiver	Furuno
VDR	Kelvin Hughes
Speed Log	Furuno
ECDIS	Furuno
INMARSAT C	Furuno
MF/HF Transmitter	Furuno
SSAS	Furuno
VHF Transmitters	Furuno

### Additional Features

FRC with LARS	1 x 9 man 200HP OBM
Fire Fighting	Fifi 1
Offshore Crane	Prepared for 50 tons AHC Crane
A Frame	Prepared for 50 tons A frame
Hydro Acoustic Positioning	Prepared for 2 trucks for HiPAP
Oil Recovery	Oil Recovery Tanks - 1000m <sup>3</sup>
Incinerator	38 ltrs/ hr
Gymnasium	One

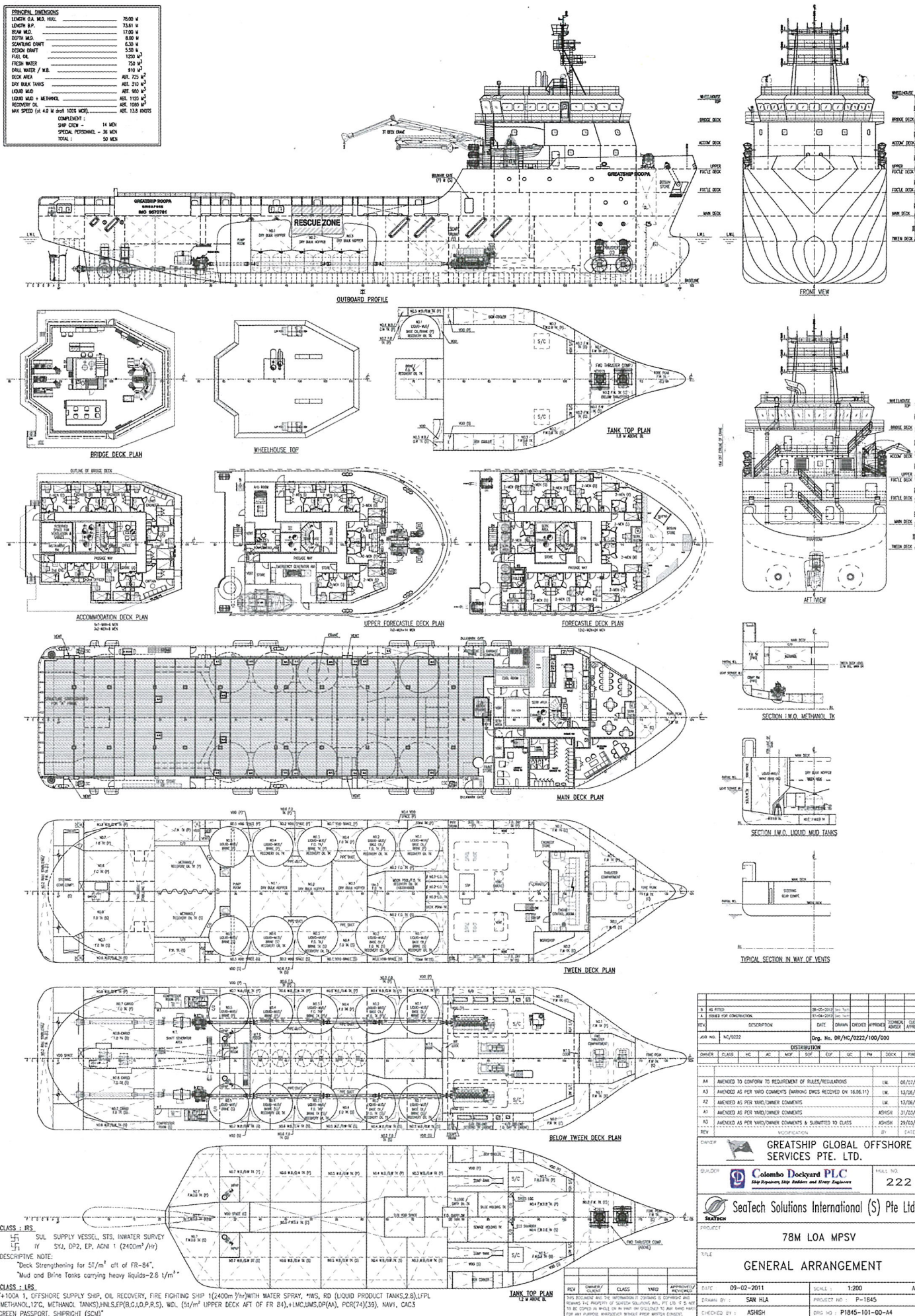
### Owner

Greatship Global Offshore Services Pte Ltd., Singapore





<b>PRINCIPAL DIMENSIONS</b>	
LENGTH O.A. MED. HALL	76.00 M
LENGTH B.P.	17.61 M
BEAM M.D.	23.80 M
DEPTH M.D.	8.00 M
SCANTLING DWGT	6.30 M
DESIGN DWGT	5.50 M
FUEL OIL	1290 M <sup>3</sup>
FRESH WATER	752 M <sup>3</sup>
DRAWN WATER / W.B.	810 M <sup>3</sup>
DECK AREA	AWL 725 M <sup>2</sup>
DECK BEAK TANKS	AWL 210 M <sup>3</sup>
LIQUID M.D.	AWL 190 M <sup>3</sup>
LIQUID M.D. + MEDHULL	AWL 1122 M <sup>3</sup>
RECOVERY OIL	AWL 1000 M <sup>3</sup>
MAX SPEED (H. 4.0 M DASH 100% MICH)	AWL 13.8 KNOTS
<b>COMPLEMENT:</b>	
SHIP CREW	14 MEN
SPECIAL PERSONNEL	36 MEN
TOTAL	50 MEN



S	A8	ATTN:																			
REV.	01	ORDER OF CANCELLATION																			
		DESCRIPTION				DATE	SHAWA	CROYES	WYOMING	TOWNSHIP	CLARK	ARRIVE									
AGE NO.	NZ/0022																				
						<b>Fig. No. 09/HQ/0022/100/000</b>															
<b>DISTRIBUTION</b>																					
DRAWER	CLASS	HC	AC	MCP	SDF	EUP	CGF	FCG	FM	DDCM	FINE										
A#	ADVISED TO CONFORM TO REQUIREMENT OF RULES/REGULATIONS																	LM	06/22/01		
A3	ADVISED AS PER TWO COMMENTS (BARRING DWGS RECEIVED ON 10.06.01)																	LM	13/06/01		
A#	ADVISED AS PER OWNER/CARRIER COMMENTS																	LM	13/06/01		
A#	ADVISED AS PER TWO/OWNER COMMENTS																	ADISH	29/03/01		
A0	ADVISED AS PER TWO/OWNER COMMENTS & SUBMITTED TO CLATS																	ADISH	29/03/01		
REV	MODIFICATION																	B7	ENR		
OWNER		<b>GREATSHIP GLOBAL OFFSHORE SERVICES PTE. LTD.</b>																			
QUANTITY	<b>Columbo Dockyard PLC</b> <i>Ship Repairs, Ship Stations and Heavy Engineering</i>																	MAIL NO. <b>222</b>			
		<b>SeoTech Solutions International (S) Pte Ltd</b>																			
<b>78M LOA MPSV</b>																					
<b>GENERAL ARRANGEMENT</b>																					
DATE	09-02-2011										SCALE :					1:200					
DRAWN BY : SAN HUA										PROJECT NO. : P-1845											
CHECKED BY : AGRHSH										DRUG NO. : P1845-01-00-04											