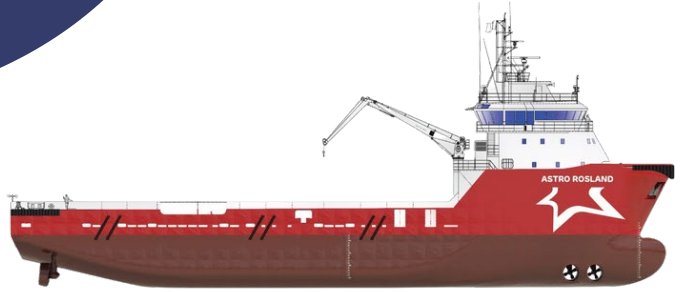
Astro Offshore
An Adani Group Company



ASTRO ROSLAND

79M DIESEL ELECTRIC DP2 PLATFORM SUPPLY VESSEL

GENERAL

Year Built:	2014
Class:	ABS
Classification:	A1, Offshore Support Vessel (FFV 1, Supply HNLS), AMS, ABCU, DPS-2 Additional Notations BWT, ENVIRO, HDC (5t/m2, main deck Fr.-8 to Fr.79), HLC (2.8, Circular Tk No. 1-8), OSR-C2, UWILD

PRINCIPAL PARTICULARS

Length OA:	78.70m
Breadth Moulded:	16.00m
Depth:	7.0m
Draft (Max):	5.80m
Deadweight:	3,266T
Gross Tonnage:	2,638T
Net Tonnage:	984T
Dynamic Positioning:	DP2

PERFORMANCE

Eco Speed:	11 Knots
Service Speed:	12 Knots
Max Speed:	14.5 Knots

MACHINERY

Propulsion:	2 x 1,470KW Abt. 2940 Kw Rolls-Royce US 205 CP
Main Generators:	4 x 994kW CAT C 32 ACERT V8 4 stroke USA 440V 3Ph 60 Hz
Emergency Generator:	1 x 99ekW CAT USA 440V 3Ph 60 Hz
Bow Thrusters:	2 x 10+ T Rolls-Royce tunnel thrusters type TT1850 DPN CP

SAFETY EQUIPMENT

Fire Fighting:	2 x 1,600m³ / hr @ 135m (As per SOLAS)
Oil Dispersant:	2 x 6m spray booms with nozzles
Monitors:	2 x 1,200m³ / hr (water)

RESCUE EQUIPMENT

Rescue Boat:	1 x 6 Man DNV / ABS Class

ACCOMMODATION

One Man Cabins:	8
Two Man Cabins:	8
Four Man Cabins:	1
Total POB:	28

DECK EQUIPMENT

Deck Space:	570m²
Winch Model:	Rolls-Royce Brattvaag
Capstan:	2 x 9T Rolls-Royce Brattvaag

CAPACITIES

Fuel Oil:	884m³
Ballast / Drill Water:	1,599m³
Fresh Water:	465m³
Base Oil:	160m³
Recovery Oil:	0m³
Liquid Mud:	818m³
Liquid Brine:	818m³
Dry Bulk:	251m³
Methanol:	135m³

DISCHARGE RATES

Fuel Oil:	1 x 170m³ / hr x 90m head
Ballast / Drill Water:	1 x 150m³ / hr x 90m head
Fresh Water:	1 x 150m³ / hr x 90m head
Base Oil:	1 x 100m³ / hr x 90m head
Liquid Mud:	2 x 100m³ / hr @ 180m head
Liquid Brine:	1 x 75m³ / hr x 180m head
Dry Bulk:	2 x 22.8m³ / hr @ 5.6 BAR
Methanol:	2 x 80m³ / hr @ 90m head

NAVIGATION

ECDIS:	2
AIS:	✓
Radars:	✓
DGPS:	✓
Echo Sounder:	✓
Autopilot:	✓
Gyro Compass:	✓
Speed Log:	✓
Magnetic Compass:	✓
Weather Fax SSAS	✓
BNWAS:	✓

COMMUNICATION

GMDSS:	A1, A2 & A3 Operations
Starlink:	✓
NAVTEX:	✓

GENERAL ARRANGEMENTS

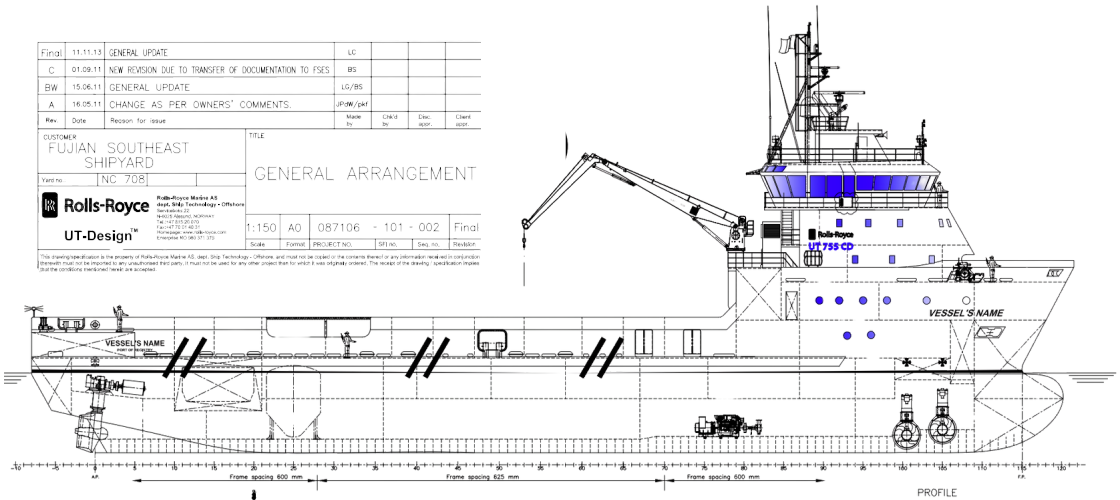
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Final	11.11.13	GENERAL UPDATE	LC			
C	01.09.11	NEW REVISION DUE TO TRANSFER OF DOCUMENTATION TO FSES	BS			
BW	15.06.11	GENERAL UPDATE	LG/BS			
A	16.05.11	CHANGE AS PER OWNERS' COMMENTS.	JP/dW/pkf			

CUSTOMER: FUJIAN SOUTHEAST SHIPYARD
Yard no.: NC 708
Rolls-Royce Marine AS dept. Ship Technology - Offshore
UT-Design™

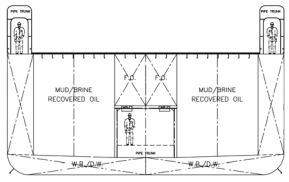
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1:150	A0	087106 - 101 - 002			Final

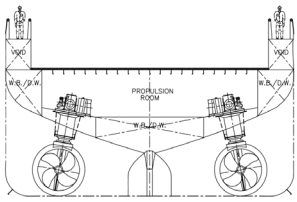
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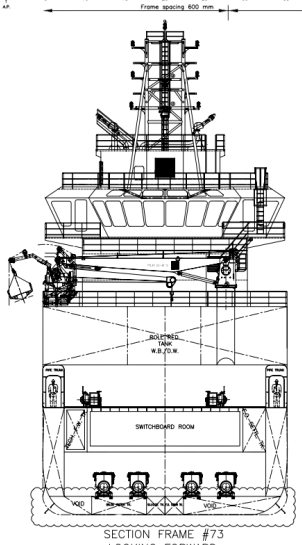
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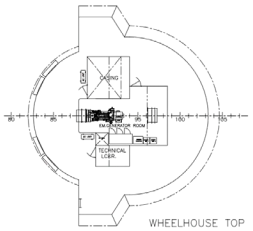
MIDSHIP SECTION



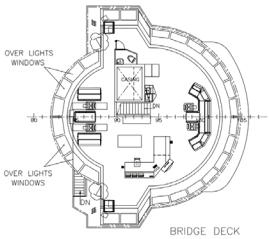
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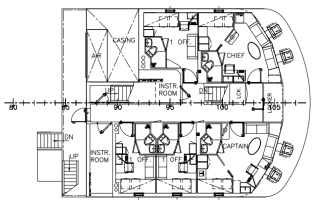
SECTION FRAME #73
LOOKING FORWARD



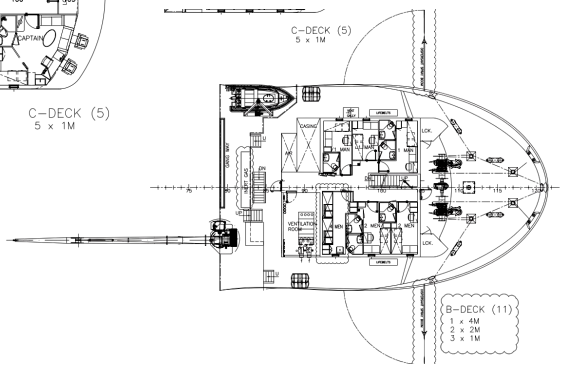
WHEELHOUSE TOP

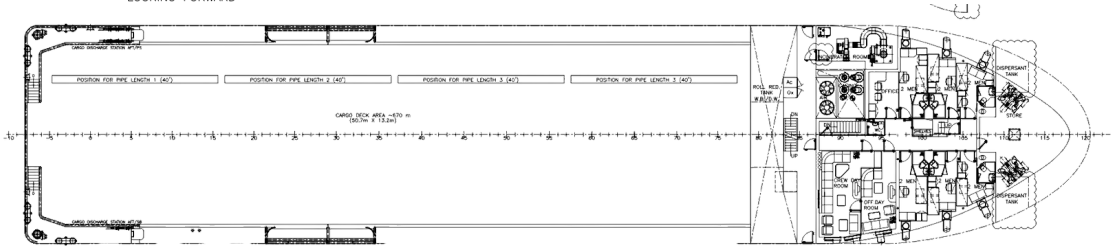


BRIDGE DECK

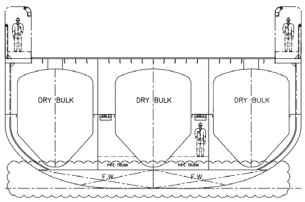


C-DECK (5)
5 x 1M

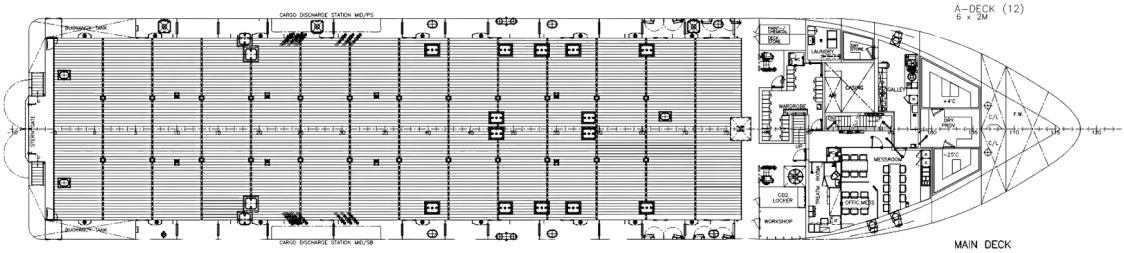




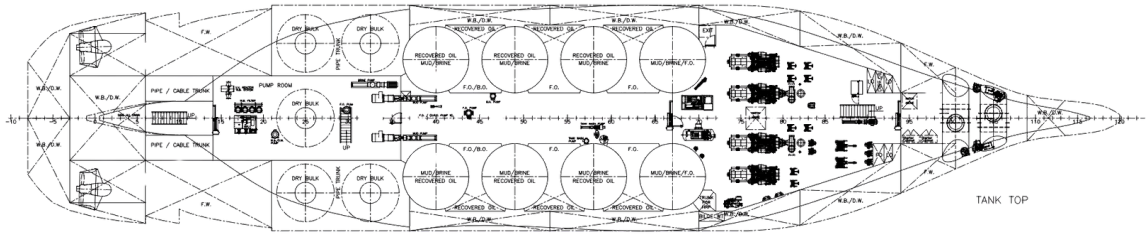
A-DECK (12)
6 x 2M



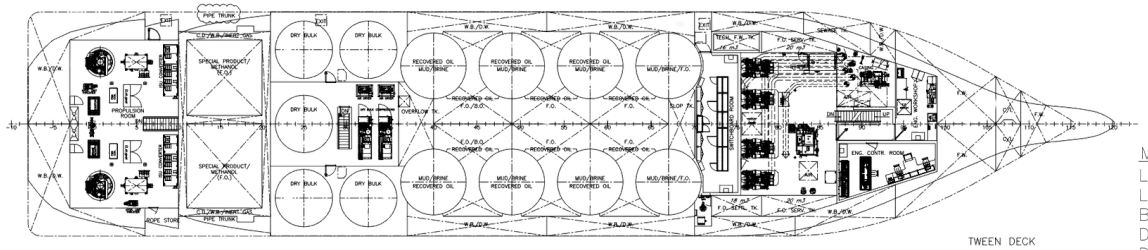
SECTION FRAME #25



MAIN DECK



TANK TOP



TWEEN DECK

MAIN PARTICULARS

L.O.A.	APPROX. 78.70	m
L.P.P.	70.10	m
BREADTH MLD.	16.00	m
DEPTH MAIN DK.	7.00	m
DESIGN DRAFT.	5.10	m
MAX DRAFT.	APPROX. 5.90	m

All particulars are believed to be correct but without guarantee