

4,200T DP3 Derrick Pipe Lay Vessel

General Particulars

Year Built	2012
Flag	Panama
Class	BV
Notation	✱ HULL, ✱ MACH, ✱ ALM Service Vessel, Lifting Accommodation, ✱ ALM Special Purpose Ship, ✱ DYNAPOS AM/AT RS Unrestricted Navigation
Length Overall	156.00m
Breadth Moulded	50.00m
Depth Moulded	12.00m
Design Draft	7.50m
Scantling Draft	8.00m
Displacement	53,600 Tons
GRT/NRT	39,269T / 11,780T

Main Crane Lifting Capability

Amclyde Model 80

(1) Main Hoist

Special Revolving

- Lifting Capacity 3,800MT @ 30m radius

Full Revolving

- Lifting Capacity 3,200MT @ 25m radius

(2) Auxiliary #1

- Lifting Capacity 800MT @ 60m radius

(3) Auxiliary #2

- Lifting Capacity 200MT @ 105m radius

(4) Whip

- Lifting Capacity 50MT @ 90m radius @ $\pm 3.5^\circ$

(5) Length of Boom

- To Main Block 80.0m
- To Auxiliary #1 Block 95.0m
- To Auxiliary #2 Block 105.0m
- To Whip Block 86.0m

Pipe-Laying

Pipeline System	S-Lay Single Joint
Pipe outer diameters range	4" to 60"
Maximum pipe joint weight	30T
Pipe length	40 feet
Automatic tensioners	3 x 100MT nominal pull/ Remacut
A&R winch	1 x 300MT nominal pull/ Remacut
A&R winch paying-out speed	30m/min (outer layer)
Welding Stations	5 units
NDT	2 units
Coating stations	3 units
Stinger	2 Sections 42m+ 32m

Position Mooring

Mooring Winches	12 x VFD Mooring Winch 130T SWL first layer
Mooring Anchors	12 x 12T Stevshark
Pennant Buoys	12 units
Anchor Rope	12 x 1,650m x 64mm Dia 6x36IWRC EEIPS Wire Rope

Anchoring & Towing

Windlasses	2 x Electric Windlasses
Anchors	3 x 14.7T Stockless Anchors
Chains	2x 95mm Q3
Towing Bridle	2 sets 250T Bollard Pull
Capstan	3 x 20MT
Air Tugger Winches	2 x 5MT

Auxiliary Cranes

Pedestal Crane	1 x 80T Pedestal Crane Man-Riding certified
Crawler Crane	1 x 250MT Deck Crawler Crane



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Machinery

Main Generator	6 x 2,500 kW, 2 x 3,800 kW, 6,600V/3Ph/50Hz, 400V/3Ph/50Hz, 220V/1Ph/50Hz
Emergency Generator	1 x 800kW, 400V/3Ph/50Hz

Propulsion & Thrusters	2 x 5.5MW FP Azimuth Thruster 5 x 2.2MW FP Retractable Thruster 1 x 2.2MW CP Bow Thruster
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Cargo Capacities

Clear Deck Area	3,800m ²
Main Deck Sheltered Area	1,300m ²
Deck Strength	12MT/m ²

Tanks

	Capacity
Fuel Oil	3,400MT
Ballast Water	44,500MT
Fresh Water	3,300MT

Ballast System

	Capacity
Ballast Pumps	2 x 1500m ³ /h
Anti-Heeling Pumps	4 x 3000 m ³ /h
Tank Gauging System	
Draft Gauging System	
Loading Computer	

GMDSS & Navigation Equipment

GMDSS	1 unit
Helicopter Communication	1 unit
Gyro Compass	1 unit
Magnetic Compass	1 unit
EPIRB	1 unit
Internal Telephone/PA	1 unit
Radar	2 units
Echo Sounder	1 unit
DGPS Satellite Navigator	2 units
Fog Horn/ Whistles	2 units
ALDIS Lamp	1 unit

Dynamic Positioning System

Class 3 Redundant DP System	Kongsberg KPOS
Position References	3x DGPS 2x HPR 1x CyScan

Accommodation

Single Berth & Suites	9
Double Berth	28
Four (4) men berth	60

Other Facilities

Hospital	1
Offices	6
Conference Rooms	5
Messrooms	1 x 150-men
Stores & Workshops	11
Movie Room	2 x 30-men
Gym Room	1
Recreation Room	2
Prayer Room	1

Fire Fighting & Survival Equipment

Fire Pump	2 x 140m ³ /hr
Emergency Fire Pump	1 x 140m ³ /hr
Life Boats	4 x 80-men
Life Rafts	12 x 25-men
Fast Rescue Boat	2 x 120 HP engine

Fire Fighting and Life Saving Systems SOLAS Compliant

Helideck

D-value	23m
T-value	12.8t
Suitable for	Sirkosky S61 Nand S-92 Helicopter
CAP 437	Compliant

Miscellaneous/ Others

Oily Water Separator	1 x 5m ³ /hr @ 15ppm
Sewage Treatment Plant	2 x 200-men
Fresh Water Maker	1 x 50T/day + 2 x 65T/day
Incinerator	1 unit

