



DP1 Survey Vessel and AHTS

Orient Explorer

The **First Choice** for
Marine Solutions in
Asia Pacific

For further information, please contact:
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Principal Particulars

Flag	Taiwan
Built	2012, Malaysia
Length Overall	58.74 m
Length B.P	58.8 m
Beam	16.0 m
Depth Moulded	6.0 m
Max Draft	5.1 m
Design Draft	4.6 m
Deadweight	1,726 MT
GT	1,759
NT	527

Classification

CR Main: CR100 ✕ E TUG, Anchor Handling, BP[65.85]
ABS Secondary: A1, Towing Vessel, Offshore Support Vessel, (E)
 ✕ AMS, ✕ DPS-1, BP 65.85 MT, Oil Recovery Capability Class 2

Capacities

Fuel Oil	471 m ³ @ 90%
Potable Water	606 m ³ @ 90%
Liquid Mud/Brine	179 m ³ @ 90%
Ballast and Drill Water	178 m ³ @ 90%
Foam	9 m ³ @ 90%
Dispersant	9 m ³ @ 90%
Bilge	10 m ³
Deck Cargo Area	390 m ³ (Approx)
Deck Cargo	600 MT Max
Cargo Deck Load	5 MT/m ²

Accommodation

1-Berth Cabins	4
2-Berth Cabins	2
4-Berth Cabins	8
Berths – Total	40
Hospital	1
Mess Room	1

Survey Capacity

Survey Moonpool	One fitted With retractable pole
Survey Poles	1 fitted Overside pole with trolley arrangement

Machinery & Propulsion Equipment

Main Engines	2 x Yanmar 6EY26 1,920 kW each
Generators	2 x Caterpillar C18 DITA
Thrusters	Bow Tunnel: 1 x 600 kW Stern Tunnel: 1 x 450 kW
Propulsion Thrusters	2 x Berg CPP in Nozzles
Rudders	2 x High Lift Rudders
Main Crane	1 x 3 MT @ 2 - 12 m
Auxiliary Crane	1 x 5 MT @ 2 - 18 m
A-Frame	1 x 20 MT @ 6.5 m
Fire Fighting	FIFI 1 Class can be classified on clients request

Towing and Anchor Handling Equipment

Anchor Handling & Towing Winch	Plimsole, 250 MT Brake Waterfall Double Drum 2 x 58 mm x 1,000 m capacity
Shark Jaw	1 Set Plimsole Shark Jaws 300 MT
Tow Pins	200 MT
Stern Roller	1.6 m dia x 4.2 m length 375 MT SWL
Capstan	2 x 5 MT @ 18 m/min
Tugger Winch	2 x 10 MT
Bollard Pull	Approx. 65.85 MT

Dynamic Positioning System

Type	Kongsberg, DP1
Reference Systems	2 x DGPS 1 x Cyscan

Performance

Service Speed	Approx 10 knots
Max Speed	Approx 13 knots
Economical Speed	Approx 7 knots

Pump Capacities

Fuel Oil Pump	1 x 100 m ³ /hr @ 75m
FW Cargo Pump	1 x 100 m ³ /hr @ 75m
Bilge & Ballast Pump	1 x 50 m ³ /hr @ 55m
GS & Fire Pump	1 x 50 m ³ /hr @ 55m
Dispersant Pump	1 x 50 m ³ /hr @ 60m

