

ATLANTIC OCEANIC

260 CLASS MPSV DP-2 MULTI ROLE OFFSHORE SUPPORT



US FLAG - JONES ACT COMPLIANT

DP II Offshore Construction Support Vessel

The Atlantic Oceanic is the first in the fleet to be based in the US and to be managed and owned by a US operation in partnership with Castle Ship TM in the UK.

After operating as a PSV for many years the Atlantic Oceanic has undergone a major conversion to allow it to operate as a Multi Purpose Support Vessel. The vessel is capable of operating the I-GRAB in a number of tasks such as Boulder removal, UXO Survey and Clearance. It is also capable of Geotechnical and Geophysical surveys, Walk-to-Work, Cable Lay and recovery.

- > 40 clients + crew
- I-GRAB system (option)
- Survey spread (option) and on line survey rooms
- Dynamic Positioning Class DP2
- High Power capability plot
- Walk to Work capable | 2
- Deck space: over 500 m

DIESEL ELECTRIC PSV AND MULTIROLE DP2 OFFSHORE

SUPPORT VESSEL

CONTACT US FOR CHARTER RATES

Find out more: www.atlanticoceanic.com

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Environmentally friendly diesel electric propulsion uses less fuel than conventional direct drive systems and produces far less pollution. Vessels designed to maintain a speed of up to 13 knots at loadline (fully loaded condition), up to 20% faster than most existing vessels of equal size or highly economic at 10 knots, and down to 4.2 M3 PD on DP operations* (subject to load and Wx).

REGISTRATION

Owner	Atlantic Oceanic LLC.
USCG Official #	1163367
Year Built	2004
Builder	Bender Shipbuilding & Repair, Co, Inc. (USA)
Flag	U.S.A.
Classification	ABS #A1, Offshore support vessel, #AMS, XDPS-2, @, SOLAS, USCG Subchapter L, Full Ocean
USCG Safety Standby	EEP 100 endorsement by USCG for safety standby service

MAIN CHARACTERISTICS

Length Overall	252 ft	(76.81 m)
Length Between Perpendiculars	230 ft	(70.15 m)
Beam	54 ft	(16.50 m)
Depth	19 ft	(5.80 m)
Operating Draft	15.6 ft	(4.76 m)
Operating Displacement	4,434 lt	(4,504.04 mt)
Light Draft	7.87 ft	(2.4 m)
Gross Registered Tonnage	2,045	

CAPACITIES

Deadweight	2,882.74 lt	2,929.00 mt
Cargo Deck Area	(190 ft x 45 ft) 8,550 ft ²	(54.7 m x 13.7 m) 750 m ²
Cargo Deck Loading	1,024 lbs / ft ² (5 mt / m ²)	
Fuel Oil Cargo	3,400 bbl (142,801 gal) (540.56 m ³)	
Fuel Oil Day Tank	293 bbl (12,313 gal) (46.61 m ³)	
Bulk Mud	7,135 ft ³ (4 tanks) (202 m ³)	
Liquid Mud	8,215 bbl (13 tanks) (1,306.07 m ³)	
Rig Water	3,007 bbl (126,311 gal) (478.14 m ³)	
Cargo Fresh Water	5,040 bbl (211,715 gal) (801.43 m ³)	
Ship Fresh Water	409 bbl (17,200 gal) (65.11 m ³)	

PERFORMANCE

Top Speed	12.5 knots @ 190 gph
Fast Cruising Speed	11 knots @ 147 gph
Economical Speed	10 knots @ 120 gph 9.5Tons
DP Mode	48 gph 4 Tons (subject to load)

DYNAMIC POSITIONING SYSTEM (CLASS II)

ABS classed DP2 Redundant Positioning System consisting of:

- 2 GE ADP 21 consoles
- 2 Leica MX 420 / 2 DGPS
- 1 Cyscan Laser Reference Unit
- 2 Gill Wind Observer II Anemometers
- 2 Watson Vertical Reference Units
- 2 SG Brown Meridian Gyro
- 2 DP Alarm and Event Printers
- 2 x 4 kVA Uninterrupted Power Supply
- 1 Independent Joystick Control System

PROPULSION - MACHINERY

Total Installed Power	4,730 kW (6,342 hp)
Main Diesel Generators	2 x 1,825 kW (2,447 hp) 480 V / 60 Hz (Cummins QSK 60) 1 x 910 kW (1,220 hp) 480 V / 60 Hz (Cummins KTA 38)
Emergency Generator	1 x 170 kW (228 hp) 480 V / 60 Hz (Cummins 6 CTA 8.3)
Main Propulsion	2 x 1,566 kW (2,100 hp) Z drive, 360° azimuthing (Steerprop 20)
Bow Tunnel Thrusters	2 x 746 kW (1,000 hp) CPP at 1,200 rpm (Berg 12S)

CARGO DISCHARGE

Fuel Oil	600 gpm at 200 ft TDH (136 m ³ / h at 60 m TDH)
Rig Fresh Water	660 gpm at 196 ft (150 m ³ / h at 60 m)
Liquid Mud (LM)	660 gpm at 196 ft (150 m ³ / h at 60 m)
LM Segregated System	Integrated / Segregated
LM Agitation	Flygt Mixers
LM Tank Cleaning System	Butterworth
Bulk Material (BM)	Compressors rated for 55 st / hr at 196 ft (50 mt / hr at 60 m)
BM Segregated System	Integrated / Segregated (2 Tanks each system)

DECK EQUIPMENT

CRANE (option)	10 Tons SWL
A FRAME (Option)	20/40 Tons SWL
Anchor Windlass Roll Reduction System	1 x MOB boat with davit SOLAS cargo ship safety equipment 2 1 Roll Stabilization Tank

CONTROL & SAFETY

Fully integrated DP / control dual redundant system
Alarm, monitoring and control system for periodically unattended machinery space
Remote control and monitoring of liquid mud and bulk mud cargo systems

ELECTRONICS

2 Radars with ARPA
1 Navigation Gyro Compass
1 Autopilot
1 Depth Sounder
1 Speed Log
1 Radio System Compliant with GMDSS A3 Rules
1 EPIRB (2 radar transponders)
5 UHF, 4 VHF (bridge to bridge)
1 Weather Fax
1 Navtex
1 PA / Loud Hailer

ACCOMMODATION

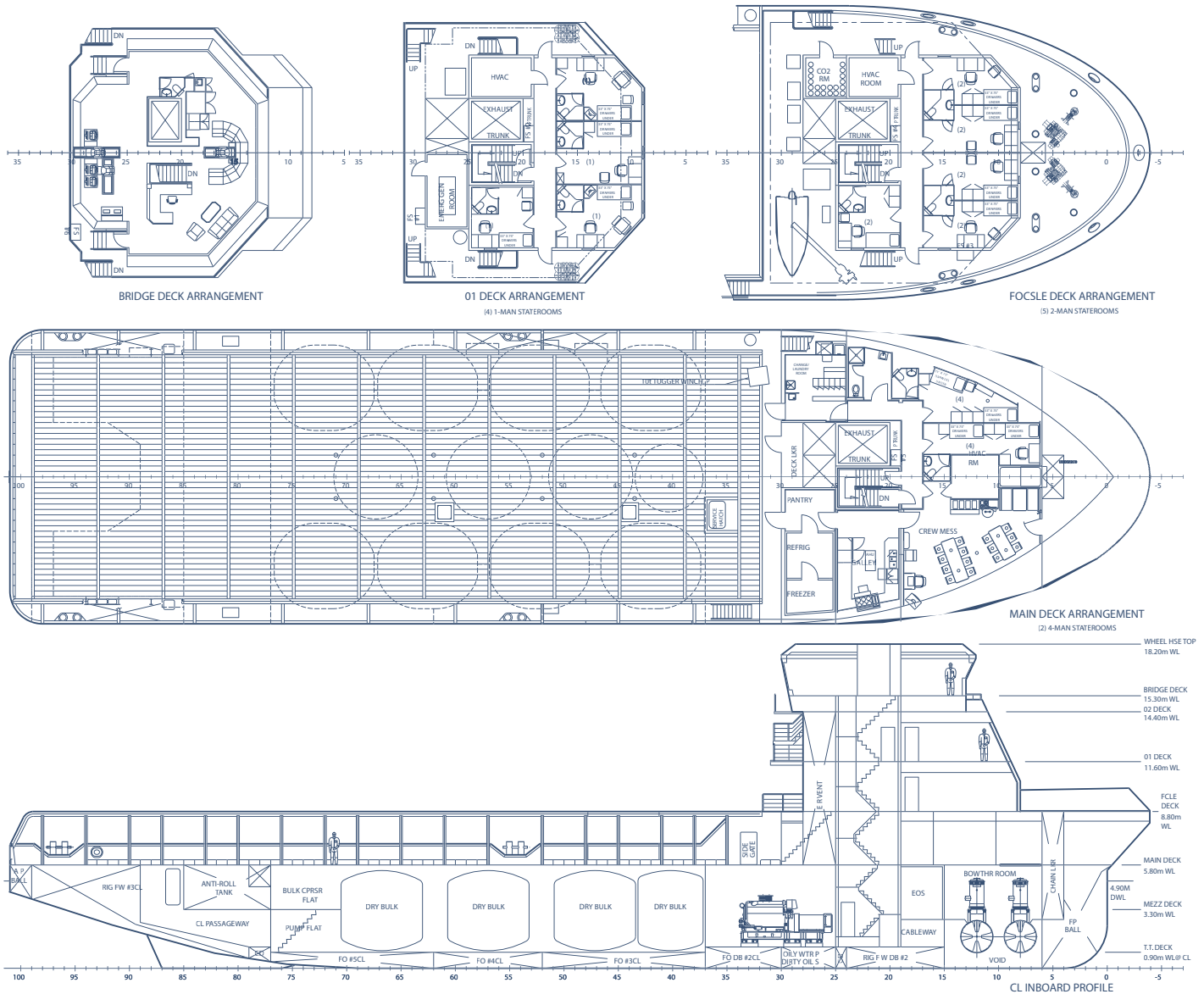
Fully Air-conditioned	
Accommodations for 22-34 people consisting of: 4 x 1 man cabins + 1 optional accommodation unit	
1 x 2 man cabins	
2 x 3 man cabins	
Galley, Provision Room, Stores, Mess	
Walk in Refrigerator	423 ft ³ (11.9 m ³)
Walk in Freezer	335 ft ³ (9.5 m ³)



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GENERAL ARRANGEMENT DRAWING





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DYNAMIC POSITIONING CAPABILITY PLOTS

2 BT + 2 Azimuthing drives online
 Multiple knot currents, wind speed in knots
 Draft considered is 4.9 meters

