

260 CLASS MPSV DP-2 MULTI ROLE OFFSHORE SUPPORT VESSEL FOR P&C SALE



DIESEL ELECTRIC PSV AND MULTIROLE DP2 OFFSHORE SUPPORT VESSEL MPSV is a world renowned GPA 640 designed MPSV

This is US FLAG – JONES ACT COMPLIANT DP II MPSV. After operating as a PSV for many years she has undergone a major conversion to allow it to operate as a Multi Purpose Support Vessel. The vessel is capable of operating ROVs, Air/ Sat Diving, I-GRAB, IMR scopes of work including Boulder Removal, UXO Survey and Clearance. It is also capable of Geo-technical, Geophysical Surveys, Walk-to-Work (W2W) AHC Gangway System, Cable Lay and Recovery Offshore Operations. Atlantic Oceanic already has a proven track-record on the Vinyard Wind projects in USA with zero delay times.

Vessel is equipped with environmentally friendly diesel electric propulsion that uses less fuel than conventional direct drive systems and produces a massive reduction in emissions. 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. Liquid mud tank capacity and delivery capabilities typically found only in much larger vessels. Oval liquid mud tanks with a self-cleaning system provide maximum circulation and are more cost-effective to clean than traditional square tanks.

In addition, she has the latest state of the art DP II class dynamic positioning system which means that the vessel will be able to hold position in the most critical and demanding situations. Working with the twin bow tunnel and twin stern tunnel thrusters, along with the two CP main

propellers the vessel has 6,600 hp to offer at any time. Vessel is ideal for IMR and Subsea Diving offshore operations due to its roll stabilization tank with DP capabilities and large main deck capacities.

Multi Role Capabilities

- Air & Sat Diving Capabilities**
- ROV/ AUV & IMR Capabilities**
- Survey Specialist Support**
- Bubble Curtain Operations**
- Subsea Boulder & UXO Removal**
- Offshore Construction & Installation Support**
- Cable Lay & Recovery Operations**
- Accommodation Vessel**
- Deck Space over 8,055 ft² (750 m²)**
- 40 Clients + Crew**
- Survey Spread (option) and on line Survey Rooms**
- I-GRAB System (optional)**
- High Power Capability Plot**

260 CLASS MPSV DP-2 MULTI ROLE OFFSHORE SUPPORT



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

MAIN CHARACTERISTICS

Length Overall	256 ft	(78.00 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 (Optional)	10 Tons SWL
A-FRAME (Optional)	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

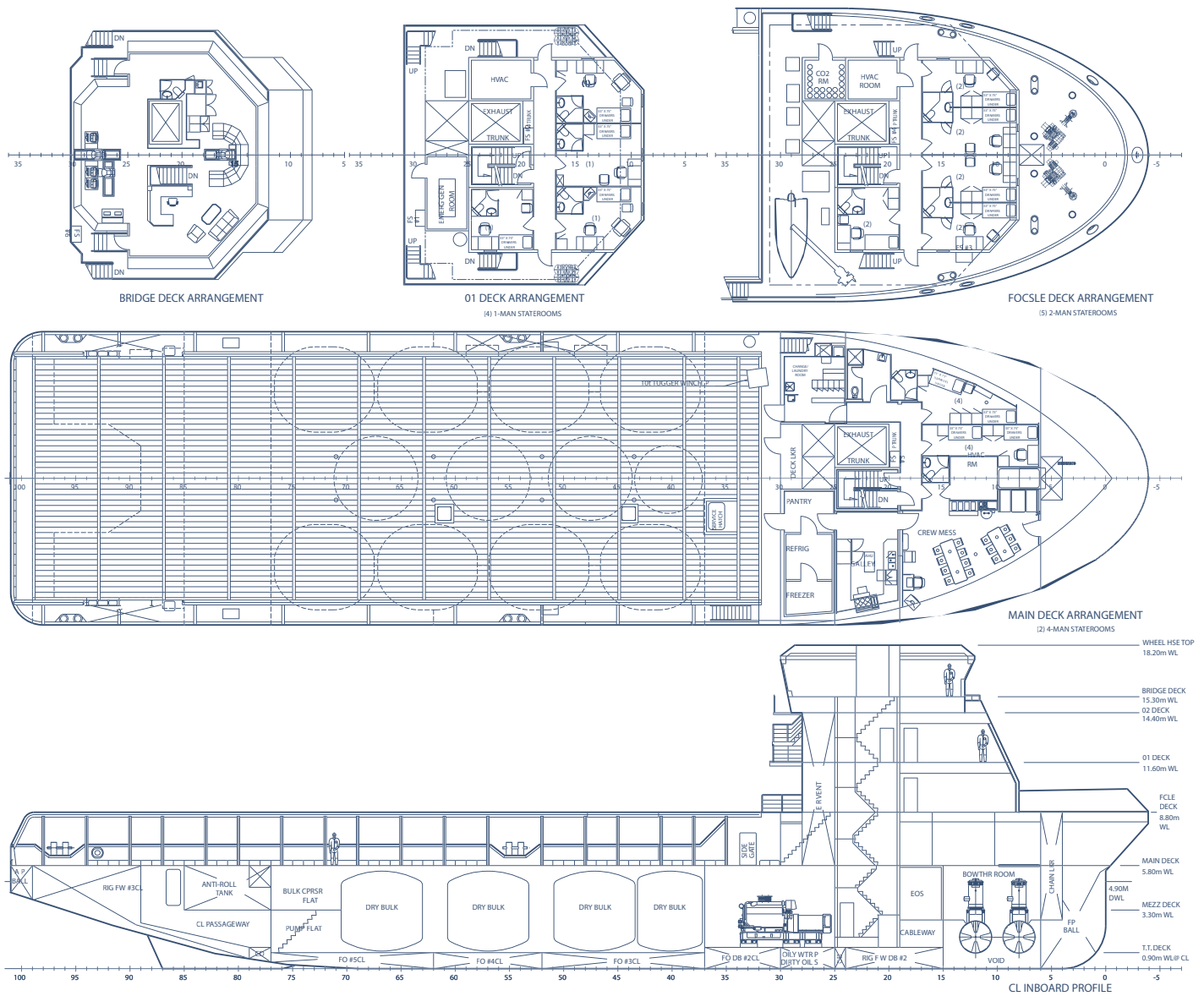
ACCOMMODATION

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

