



Ocean Marine Services Ltd Multi-Task Vessel

MTV Ocean Dragon



Site history:

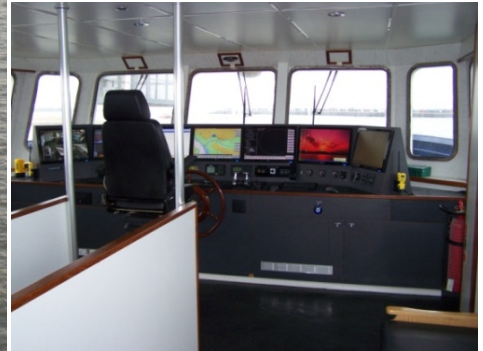
London Array. Gunfleet Sands, Sherringham Shoal, Hornsey Round 3,
Morecambe Gas field, CEFAS seabed monitoring Hull

Contact:

0044 (0) 1745 332871

Email:

oceandragon@oceanmarineuk.co.uk



OCEAN MARINE



SERVICES LTD.



Nominated & Voted: The most versatile wind farm support vessel

Available

www.oceanmarineuk.co.uk



Ocean Marine Services Ltd Multi-Task Vessel

Principal Characteristics

	: MCA	cat `1` (150miles from safe haven)	
Length Overall	: 25.50m	Waterline Length	: 23.50m
Max Beam	: 7.30m	Displacement	: 144 GMT
Fuel oil tank capacity	: 11.5Ton	Fresh water capacity	: 8 Tons
Max speed (Full load)	: 12 Knots	Cruise speed (85% load)	: 10.5 Knots
Berths	: 14PAX – 7 Cabins	Material of Construction	: Marine Grade steel st 42
Hull Type	: Steel mono hull	Propulsion: 2 x IVEKO c13 500(C13 ENT M50)500Hp@2000rpm	
Gear Box	: ZFW 350 (3,968:1)	Shaft / Propellers/ nozzles: AISI 316 L (dia.4") / 4-5 Bladed	
.		Manganese & Bronze (Fixed Pitch) (dia 48") in Kort nozzles	
Bow Thruster	: 100Hp hydraulic thruster	Classification	: R.I.N.A Hull Attestation Certificate

Deck Equipment

Low to water open deck space of 13.65m x 7.10m
 Knuckle boom Crane with 4 ton lift at 6m
 1x 6.5 ton deck winch
 4 x 3.5 ton 4 point mooring winches at each quarter with 600m of cable capacity
 Twin anchor windlass and 75Kg anchors with 104m of chain each
 6.5 ton SWL Hydraulic A-Frame mounted on transom. Lifting point 3m aft of transom and deployment 3.5m inboard. This can be removed as required.
 Aft deck roller across transom
 Fuelling station with turbine extension. Vessel to vessel 200 Lpm, Vessel to elevated 50m platform Up to 100 Lpm
 Certificated man overboard and dive rescue system

Accommodation

Wheel House: 6.5 x 5.5m open wheel house with central stairs to main deck and access doors port and starboard to upper deck bulwarks, Skipper & Navigators helm chairs, 4 person work station, Computer racking and Seating/day bunk, 17 cam CCTV monitoring station for vessel

Main Deck: Open galley with seating for 8 diners, Sat TV entertainment centre, Pantry, Principle Skippers double cabin with shower and toilet, Small office, 2nd Shower and toilet, 3rd toilet with sole access from working deck, Stairway up to wheel house and down to lower accommodation, Crew cabin 2 with network feed to wheel house and twin display monitors for video or survey information.

Lower deck: 2 x long stay crew 2 berth cabins, 3 x Occasional 2 berth cabins, Shower and toilet with adjoining laundry facilities, Pantry and dry storage. Two means of escape from this level to main deck

Electronics and Navigation

Simrad GB60 Glass Bridge DGPS with Echo sounder	Simrad GPS compass (Northstar)
Simrad 48 miler radar with 1250mm transponder	Simrad AP 35 Auto pilot
Simrad class 'A' Automated Information System	2 x DSC VHF radios (1no Simrad rs87, 1 no sailor rt522)
1 x Icom site programmed radio Icom IC – m503	7 x Handheld VHF's (5no Icom, 2 no Simrad GMDSS)
Airmar Wind speed and direction wind indicator	Stand alone log and trip
Man overboard locator system sea marshal 1003 mk2	Search light
EPIRB, SART, Fog horn and personnel address system	Simrad side scan nse12 chart plotter and radar
Furuno Navtex nx700	Silva type 100 magnetic compass
Sailor mini c tt360e	Icom MF/HF IC m801e GMDSS radio
CCTV 13no fixed cameras	Sat Phone Iridium 9555
All round night vision CCTV	

Working systems:

2 x Hemisphere Survey grade DGPS (+/-1m)
Survey computer with multiple interface capability (work station, helm and client station displays)
Trimble Hydropro Survey software system
Kongsberg Simrad EA 60 Survey grade twin frequency (35 KHz & 200 KHz) single beam Echo sounder
Flux gate gyro compass Two diver life support surface supply panel
Multi-station close circuit television system monitoring all winches, deck area and engine room
Tannoy address system Personnel UHF system for inter ship communication
High head fuel delivery system for fuel transfer
135KVa 3 Phase generator 40KVa 3 phase generator
5KVa inverter 240v electrical supply pure sine wave

Dive system

2 Diver HP/LP panel with low pressure alarms
1 x internal HP banks consisting of 12x50lt cylinders @200bar
2x Floatex umbilical's (100mtr)
1x 8.5 cfm HP compressor
2x 27b Kirby Morgan (dive helmet)
2x28 Kirby Morgan (Band Mask)
3x R-Type vests with 10lr cylinders @200bar
Jason cradle hand davit diver recovery system

Suggested capabilities

- The vessel has been designed to have a multi-roll capability. It will have a four point mooring system allowing it to position itself safely over a work site with no interference to the task below the vessel. I.e. Subsea cables, oil and gas pipelines, subsea structures, Wind turbines and oil and gas caissons. Using the mooring system it will be able to position itself and move along cables or pipe lines without engaging the main propulsion units, it will be able to move up to 500m without repositioning the anchor pattern. The vessel will carry 4 x 1.2 ton anchors for mooring purposes.
- Diving and ROV deployment including cable burial projects.
- Survey equipment both stationary and towed
- Anchor Handling
- Grapnel towing for seabed clearance and pre-lay cable runs
- The bow has been designed to have the capability to approach and dock with offshore structures such as wind turbines for personnel and equipment transfer.
- The vessel can fuel generators on offshore structures for permanent and temporary power supplies
- Towing projects
- Personnel transfer, Standby and support tasks, Cargo transfer
- Mooring projects

Task History:

- **Diver seabed instrumentation deployment. Gunfleet Wind Farm**
- **ROV survey of Gas pipe lines Morecombe Gas field**
- **Cable ducting insertion and cable burial Sherringham Shoal Wind Farm**
- **Met tower removal Gunfleet Wind farm**
- **Guard duty London Array Wind Farm**
- **Wave rider deployment and recovery London Array Wind Farm**
- **Construction equipment transfer to Sub-Station London Array Wind Farm**
- **Fuelling substation generators London Array Wind Farm**
- **Search and diving recovery of dropped objects London Array**
- **Sub-sea J-Tube alteration and repair using specialist dive team supplied by Ocean Marine Services Ltd. London Array**
- **Personnel transfer and accommodation Hornsey round 3 wind farm site**