

Flex / Cable Installation Vessel

Orient Adventurer

130 Berths in 1-man and 2-man cabins
DPS-3 Class Positioning System
Built 2014
250 MT AHC Main Crane
One Auxiliary Crane
DNV Comfort Class V(3)C(3)
Up to 1,700 m² Deck Space (including VLS)
Helideck
SPS and IP Code Compliant
Twin ROV Hangers
275 MT Vertical Lay System

The First Choice for Marine Solutions in Asia Pacific

For further information, please contact:
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Dong Fang Offshore Co., Ltd.
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Vessel particulars are believed to be correct but are given entirely without warranty.
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Fully capable, DP3 Subsea Construction Vessel

The Orient Adventurer, an Ulstein designed SX 121 Subsea Construction and Flexible Lay Vessel, was built in Norway and is equipped with a 250 MT heave compensated crane, a 275 MT vertical lay system and a DP3 positioning system. She is designed for harsh weather with a high degree of comfort. The Vessel can be outfitted for the following activities:

- Accommodation/Walk to Work
- Subsea Operations
- Remotely Operated Vehicle (ROV) Support
- Trenching Support
- Subsea Survey
- Geotechnical
- Cable and Flex Lay

A trusted track record

The Orient Adventurer has worked across many projects in the offshore renewables space, for some of the largest offshore wind projects in Taiwan, successfully delivering services as a support vessel for cable burial works, as a large walk to work vessel to provide year round access to offshore wind foundations, and as an array cable installation vessel. The vessel has demonstrated a high level of performance in offshore wind in Taiwan, including in the challenging high-current conditions offshore.

A committed operator for the Taiwanese offshore industry

The vessel combines industry leading operational knowledge and experience from the crew on board, together with a high-end makers list to deliver reliable, fit for purpose solutions. DFO operates the vessel with an international crew of experienced personnel, combined with a high level of hotel operations to deliver a standard that meets or exceeds the most demanding offshore wind and energy customers.





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Principal Particulars

Flag	Marshall Islands
Built	2014, Ulstein Verft AS, Norway
Length Overall	130.00 m
Length B.P	124.26 m
Beam	25.00 m
Depth Moulded	10.00 m
Max Draft	7.60 m
Deadweight	7,200 MT (with VLS) 8,200 MT (without VLS)
GT / NT	11,803 / 3,541
ERN	DP-2: 99,99,99,99 DP-3: 99,99,99,85
Helideck	Suitable for Sikorsky S92N Helicopters, compliant with CAP437

Classification

DNV, E0, DYNPOS-AUTRO, Clean(Design), COMF(C-3, V-3), DK(+), DYNPOS(AUTR), E0, HELDK(SH), NAUT(OSV(A)), SF, CRANE, VIBR, BIS, SPS

Capacities

Fuel Oil	1,800 m^3
Potable Water	1,000 m^3
WB/DW	6,300 m^3
Deck Cargo Area	Inclusive VLS: 1,700 m^2 Aft of VLS: 1,400 m^2
Deck Cargo	About 5,800 tons
Cargo Deck Load	10 MT/m^2

Accommodation

1-Berth Cabins	48
2-Berth Cabins	41
Berths – Total	130
Hospital	1
Lounge	3 x Lounges
Mess Room	1 x 155 m^2
Conference Room	1 x 12 pax and 1 x 10 pax
ROV Online Room	1 x 36 m^2
ROV Offline Room	1 x 55 m^2
Client Offices	5, varying sizes
Gym	1 x 45 m^2
Hospital	1 x 20 m^2
Water Maker	2 x 15 MT/day evaporators 1 x 25 MT/day reverse osmosis

Tensioner

Tensioner	4 Track, retractable out of the firing line 2 and 4 track mode
Line Pull	275 MT including dynamic factor of 1.2
Product Diameter	50 mm to 630 mm size

Centralizer

Retractable Centralizer roller box with two arms 5 m free passage diameter
Side load capacity of 7.5 MT

Machinery & Propulsion Equipment

Main Generators	6 x Bergen, 2,880 kW each
Thrusters	Tunnel Fwd: 2 x 2,140 kW Azimuth Fwd: 1 x 2,000 kW
Propulsion Thrusters	3 x 3,000 kW
Main Crane	1 x 250 MT NOV Crane 20 MT Auxiliary Hook
Auxiliary Crane	1 x 12 MT @ 15 m

Dynamic Positioning System

Type	Kongsberg, DP3 (Operation+)
Reference Systems	2 x HiPAP 501 1 x SpotTrack 1 x Radius 3 x DGPS (2 x DPS132, 1 x DPS232)
Control	5 x Operator Stations

Performance

Service Speed	13.5 kts
Max Speed	15.0 kts
Economical Speed	10.5 kts
Fuel Consumption	Economical: 13 MT / day Transit (12-13 kt): 32 MT / day Maximum: 50 MT / day Port: 3-5 MT/day
DP Fuel Consumption	Heavy Seas: 15 MT / day Moderate Seas: 12 MT / day Light Seas: 10 MT / day

ROV & Moonpool

Hanger	One hanger situated aft of the accommodation area, with large door to main deck.
LARS	1 x Overside LARS 1 x Moonpool LARS Both 12 MT SWL
Doors	Starboard & Moonpool
Moonpool	2 fitted Main deck: 8.0 m x 8.0 m ROV: 4.9 m x 4.9 m

Abandonment & Recovery System

Under Deck Storage Winch	15 MT under deck storage winch 3,000 m of 96 mm wire
Traction Winch	300 MT traction winch Two capstan drums with several winding
Nominal Line Pull	240 MT – 19 m/min

A&R deployment beam located on top of the tower with a socket catcher

Top Chute

6 m radius, 18 rollers
3 m horizontal adjustment for A&R operations

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Our Services

- Offshore Renewable Energy Construction including Subsea & Cable/Flex-Lay
- Offshore Renewable Energy O&M including Crew Transfer & Walk to Work
- Vessel Chartering and Management
- Turnkey Horizontal Directional Drilling (HDD)
- Export Cable Laying Support, Cable Trenching and Burial
- Marine Mammal Observation (MMO) and Passive Acoustic Monitoring (PAM)
- Cable Storage and Logistics

Our Vessels

Flex / Cable Installation Vessels
- Orient Adventurer

Cable Installation Vessels
- Orient Deliverer (2027)

Construction Support Vessels
- Orient Constructor
- Orient Trailblazer (2027)

Service Operations Vessels
- Orient Inspirer
- Orient Innovator (2027)
- Orient Islander (2028)

Anchor Handling Tugs
- Orient 6
- Orient 7

Multi Cat
- Orient Supporter

Cargo Barges
- DF Buffalo

Crew Transfer Vessels
- Falcon No.1
- Falcon No.2
- Falcon No.3
- Falcon No.5
- Falcon No.6
- CFA No.1
- CFA No.3

