



# Flex / Cable Installation Vessel

## Orient Adventurer

130 Berths in 1-man and 2-man cabins

DPS-3 Class Positioning System

Built 2014

250MT AHC Main Crane

One Auxiliary Crane

DNV Comfort Class V(3)C(3)

Up to 1,700 m<sup>2</sup> Deck Space (including VLS)

Helideck

SPS and IP Code Compliant

Twin ROV Hangers

275 MT Vertical Lay System

For further information, please contact:  
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## The First Choice for Marine Solutions in Asia Pacific

### 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 250MT 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.



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

**Accommodation**

1-Berth Cabins	48
2-Berth Cabins	41
Berths – Total	130
Hospital	1
Lounge	3 x Lounges
Mess Room	1 x 155 m <sup>2</sup>
Conference Room	1 x 12 pax and 1 x 10 pax
ROV Online Room	1 x 36 m <sup>2</sup>
ROV Offline Room	1 x 55 m <sup>2</sup>
Client Offices	5, varying sizes
Gym	1 x 45 m <sup>2</sup>
Hospital	1 x 20 m <sup>2</sup>
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

## 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

### Construction Support Vessels

- Orient Constructor
- Orient Trailblazer (2027)

### Crew Transfer Vessels

- Falcon No.1
- Falcon No.2
- Falcon No.3
- Falcon No.5
- Falcon No.6
- CFA No.1
- CFA No.3

### Service Operations Vessels

- Orient Inspirer
- Orient Innovator
- Orient TBN (2028)

### Survey Vessels

- Orient Explorer

### Anchor Handling Tugs

- Orient 6
- Orient 7

### Cargo Barges

- DF Buffalo

