

Service Operations Vessel

Orient Inspirer
Orient Innovator
Orient Islander (2028)

- 90 en-suite cabins, 120 berths
- DPS-2 Positioning System
- Walk to Work Gangway
- 7 MT @ 35 m Height 3D Compensated Crane
- Landing Platforms up to 32 meters above LAT
- SPS and IP Code Compliant
- Fitted with Recreation, Offices, Gym etc
- Comfort V(3)C(3) Accommodation Standard

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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Designed for the unique challenges of Taiwanese Offshore Wind Projects

The DFO Service Operation Vessel (SOV), a VARD 4 39 design, is tailored to meet the demanding requirements of offshore wind projects in Taiwan's challenging environmental and operating conditions. With a hull form and propulsion concept optimized for comfort and operability in the harsh weather and strong currents of the Taiwan Strait, the vessel offers:

- Superior station-keeping with DP2 capability for reliable offshore positioning, including Voith propulsion with active roll reduction
- Optimal logistics through an integrated motion-compensated gangway and elevator system
- High comfort, European standard accommodation and workspaces designed to suit multi-national crews and long-duration offshore campaigns

The vessel is purpose-built for high performance in the growing Taiwanese offshore wind sector with an eye towards delivering high quality services in the Asia Pacific region, providing safe, efficient, and comfortable support to turbine technicians and construction teams alike.

Suitable to Support Both Construction and O&M Operations with a flexible layout

The VARD 4 39 SOV features a flexible internal and deck layout that allows seamless switching between offshore construction support and long-term operations and maintenance (O&M) roles. Key capabilities include:

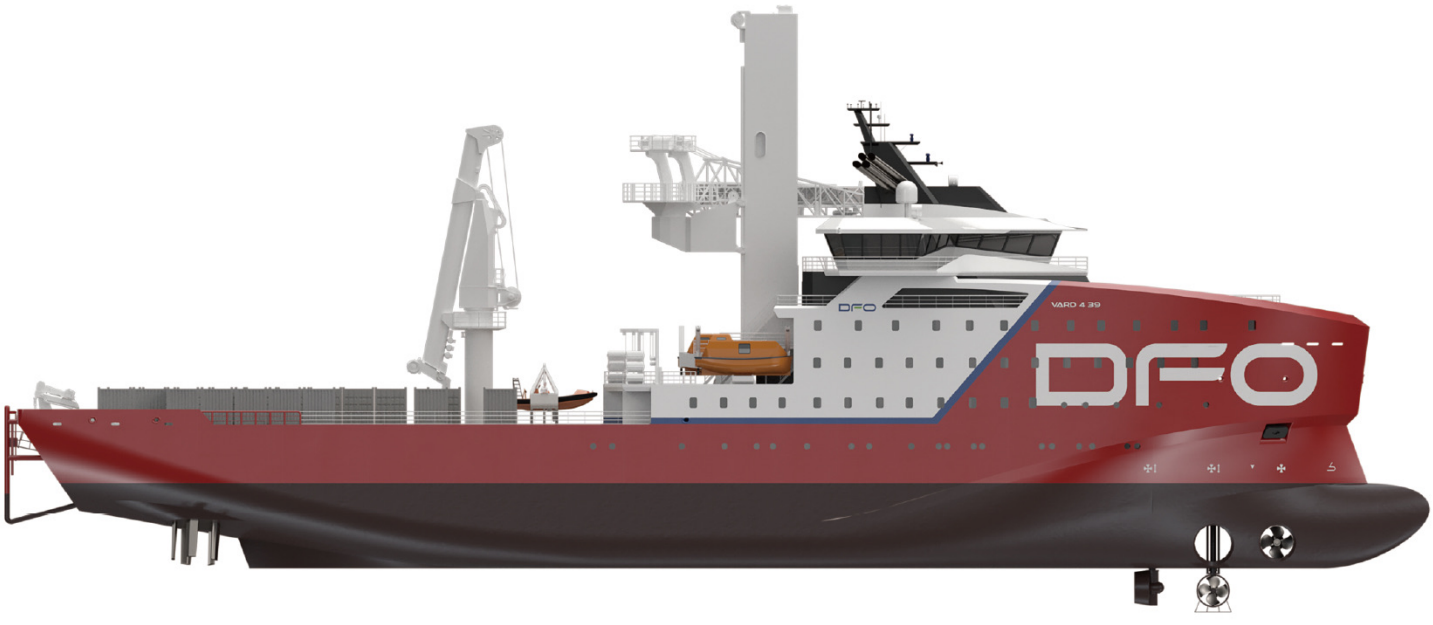
- A large, 700 square meter deck space that is capable to fit a modular cable repair spread
- Cargo handling systems and below-deck storage suitable for spare parts, tools, and small components required for turbine construction and O&M
- Offshore 3D lifting capability of up to 7 MT
- High standard accommodation for up to 120 persons in 90 cabins

The Longest and Largest Track Record of O&M Logistics Operations in Taiwan

As part of the DFO fleet, this new SOV series builds upon DFO's industry-leading experience in offshore logistics and vessel operations in Taiwan. DFO was the first Taiwanese company to deliver walk to work solutions in Taiwan, and has a proven, large-scale track record of supporting O&M and construction campaigns across almost all offshore wind farms in the region. DFO offers:

- Reliable vessel availability through local ownership, operation and crew
- A fleet tailored to Taiwan's unique offshore conditions, backed by local service and maintenance infrastructure
- Long-standing relationships with key suppliers and port facilities across Taiwan

This operational depth provides assurance to clients and their stakeholders that DFO will deliver consistent, high-quality support over the full lifecycle of offshore wind projects.



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Principal Particulars	
Flag	Taiwan
Built	2026, 2027, 2028
Length Overall	102.50 m (Hull)
Beam Overall	19.50 m
Depth Moulded	7.40 m
Maximum Draft	5.80 m
Operating Draft	Approx 5.00 m
Air Draft	Approx 38.80 m
DP Cap L1	L1 [9, 7, 8, 6]

Classification

DNV ✠ A1, Walk2work, DYNPOS(AUTR), Naut(OC), Clean (Design), Recyclable, COMF(V3, C3), E0, BIS, Battery(Power), LCS, ER (SCR-Tier III), BWM(T)
And:
CR Equivalent CR100+, E, Walk2Work, IWS, DPS-II, SRE, CMS(CAU) +NAV0

Capacities	
Fuel Oil	Approx. 860 m^3
CTV Fuel Oil	Approx. 80 m^3
Deadweight	Approx. 3150 MT at 5.8 m draught
Potable Water	Approx. 750 m^3
WB/DW	Approx 1,700 m^3

Accommodation	
Total Berths	120
Total Cabins En-suite	60 x Single Occupancy 30 x Double Occupancy
Hospital	1
Changing Rooms	2 for Technicians (M & F)
Recreation Areas	1 x Games Room, 1 x Cinema, 1 x Day Room
Briefing Room	1
Offices	3 within a dedicated office complex
Conference Room	1
Gym	Fitted, cardio and weights
Water Maker	1 fitted
Compactor	1 unit
Garbage Storage	Chilled garbage store
Incinerator	1 unit

Dynamic Positioning System	
Type	Kongsberg DP2 4 DP Workstations
Reference Systems	2 x DGPS 1 x Hipap 502 (option) 2 x Targetless Laser System

Navigation and Communication Equipment	
Terrestrial Internet	2 x 5G Base Station
Satellite Internet	2 x Starlink
TV System	1 x IPTV System Local Terrestrial TV
Telephone	Wired and Wireless DECT Internal Telephone System

Warehouse	
Upper Deck Cargo Area	About 700 m^2 12 x 20 ft container (recessed twist locks) 10 x 10 ft container (recessed twist locks)
Lower Deck Warehouse Area	About 500 m^2 Racks for 200 Europallets
Humidity Controlled Stores	1 x Approx. 20 m^2
IMDG Product Store	1 x Approx. 20 m^2
Chemical Store	1 x Approx. 10 m^2
Workshop	1 x Client Workshop
Drying Room	1 Fitted
Chemical Store	1 x Approx. 10 m^2
Workshops	1 x Mechanical, Approx. 20 m^2
IMDG Store	1 x Approx. 10 m^2

Machinery & Propulsion Equipment	
Energy Storage	Approx. 1,240 kWh battery 2,200 kW VFD
Generators	4 x CAT 3512E, 1,790 kW diesel generators 1 x 280 ekW emergency diesel generator
Bow Thruster	1 x Transverse Tunnel Thruster, 1,500 kW, CPP with VFD 2 x Retractable/Combi Azimuth Thruster, 1,500 kW, FPP with VFD
Stern Thruster	2 x Voith Propellor, 2,500 kW, VFD

Others	
Shore Connection	3 x 690 V, 300 A

Wind Farm Support Equipment	
Walk to Work Gangway (Integrated Elevator and Gangway, fully stepless)	**Seaonics ECMC 30M** Adjustable Height, Integrated Elevator and Gangway Min/Max Height: 13 m / 15 m / 30 m / 33 m Elevator Car: ・1.6 m x 2.4 m x 2.2 m ・Elevator SWL: 2,000 kg Gangway Winch: 3D Lifting, 3 MT
3D Motion Compensated Crane	**Seaonics ECMC 25M** 3D Lifting: 7 MT @ 22 m Harbor mode: 15 MT @ 16 m (double fall) Hook Height: 35 m
Boat Landings	Stepless Boat Landing (2.5 m – 4 m) 1 MT @ 12 m in 1.5 m Hs crane with AOPS
CTV and Gangway Refuelling System	150 litres/min
Heli Winch Zone	CAP 437 Compliant, Ships Bow

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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

