

Construction Support Vessel

Orient Constructor

- 102 Berths in 1-man and 2-man cabins
- DPS-2 Class Positioning System
- Built 2014
- 250 MT AHC Main Crane
- Built in Safeway Walk to Work System, 1 MT 3D Lifting Capability
- Two Auxiliary Cranes
- DNV Comfort Class V(3)C(3)
- 1,300 m^2 Deck Space
- Helideck
- SPS
- Twin ROV Hangers

The First Choice for Marine Solutions in Asia Pacific

For further information, please contact:
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Vessel particulars are believed to be correct but are given entirely without warranty.
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Optimized for Subsea Construction, Walk to Work, Cable Maintenance and IMR Operations

The **Orient Constructor** is specifically designed to support a wide range of subsea operations including cable repair, cable burial, walk to work operations, foundation installation support, and inspection, maintenance, and repair (IMR) scopes in offshore renewables and energy markets. With a large deck area, high-specification subsea crane, built in walk to work system, and dual work-class ROV systems, the vessel is capable of:

- Performing heavy subsea lifts with its 250 metric ton active heave compensated crane
- Supporting cable repair and reburial operations with ample deck space
- Conducting IMR and construction support tasks at water depths up to 3,000 meters with its dual ROV spreads
- Conducting walk to work operations with her built in walk to work system coupled with 1MT 3D lifting capability

Built with Proven Offshore Construction Equipment and Systems

DFO has equipped **Orient Constructor** with industry-proven offshore construction and subsea equipment from internationally recognized manufacturers, predominantly sourced from Europe and trusted global suppliers. The systems onboard are consistent with those utilized across the DFO fleet, ensuring high reliability, seamless vessel operability, and ease of maintenance through established service networks. This reflects DFO's commitment to delivering dependable, high-quality solutions backed by global and local support capabilities.

Operated by a Dedicated Long-Term Offshore Partner in Asia

As part of the DFO fleet, **Orient Constructor** benefits from the operational expertise and regional presence of DFO—a publicly listed Taiwanese company with a deep-rooted history in Taiwan's marine and offshore industries. Supported by majority shareholder Hung Hua Construction, with over 40 years of marine construction experience, DFO guarantees long-term service availability in the region. DFO maintains the largest and most advanced fleet of offshore support vessels in APAC, ensuring broad capability across construction, cable installation, and maintenance scopes, and the capability to deliver flexible solutions to deliver our clients projects.



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Principal Particulars

Flag	Taiwan
Built	2014, Kleven Verft AS, Norway
Length Overall	115.40 m
Length B.P	108.25 m
Beam	22.00 m
Depth Moulded	9.00 m
Max Draft	7.12 m
Deadweight	6,480 tons
GT / NT	7,883 / 2,364
ERN	99,99,99,99
Helideck	Suitable for Sikorsky S92N Helicopters, compliant with CAP437, 26.1 D-Value, 16 MT

Classification

CR Notation
CR100 ✠ E OSV, IP, SPS, HLA, Helideck-I, BWM, SRE, SRE-EU CMS(CAU) ✠ NAV0

DNV Notation
✠1A1, Clean(Design), COMF(C-3, V-3), DK(+), DYNPOS(AUTR), E0, HELDK(S), Ice(C), NAUT(OSV(A)), SF

Capacities

Fuel Oil	1,750 m^3
Potable Water	1,250 m^3
WB/DW	4,400 m^3
Deck Cargo Area	1,300 m^2
Deck Cargo	About 1,000 tons
Cargo Holds	346 m^2 (c/w hatches)
Cargo Deck Load	10 MT/m^2

Accommodation

1-Berth Cabins	24
2-Berth Cabins	39
Berths – Total	102
Hospital	1
Lounge	4 x Lounges
Mess Room	1 x 90 m^2
Conference Room	1 x 30 m^2 and 1 x 16 m^2
ROV Online Room	1 x 40 m^2
ROV Offline Room	1 x 44 m^2
Client Offices	2 x 12 m^2
Gym	1 x 30 m^2
Hospital	1 x 22 m^2
Water Maker	1 x 35 MT/day

Machinery & Propulsion Equipment

Main Generators	5 x CAT, 2,350 kW each 1 x 1,785 kW (harbour)
Thrusters	Tunnel Fwd: 2 x 1,370 kW Azimuth Fwd: 1 x 1,200 kW Tunnel: 1 x 900 kW
Propulsion Thrusters	2 x 3,000 kW Contaz 25
Main Crane	1 x 250 MT TTS Crane
Auxiliary Crane	2 x 5 MT @ 18 m TTS 2 x 1 MT @ 12.28 m Effer (inside ROV Hanger)

Dynamic Positioning System

Type	Kongsberg, DP2
Reference Systems	2 x HiPAP 502 1 x Taut Wire 1 x Cyscan 1 x Radius 2 x DGPS
Control	3 x Operator Stations

Performance

Service Speed	12.5 kts
Max Speed	14.1 kts
Economical Speed	10 kts
Fuel Consumption	Economical: 18 MT / day Transit (12-13 kt): 26 MT / day Maximum: 42 MT / day Port: 3-5 MT/day
DP Fuel Consumption	Heavy Seas: 12 MT / day Moderate Seas: 9 MT / day Light Seas: 7 MT / day

Mission Equipment

Hanger	One hanger situated aft of the accommodation area, with large door to main deck
LARS	2 x Ulmatec, AHC Winch
Moonpool	1 fitted, 7.2 m x 7.2 m
Walk to Work	Safeway Seagull with 1 MT 3D lifting capability
Boat Landing	1 fitted, starboard side

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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

