



CHARTWELL MARINE

CHARTWELL Service Operation Vessel

REFINING THE FORMULA FOR OFFSHORE ENERGY SUPPORT

In partnership with

VARDTM
a Fincantieri company



FEATURES

DESIGNED BY DATA

The Chartwell Service Operation Vessel is a pioneering walk-to-work vessel, developed as a result of a data-driven design process aiming to bridge the gap between CTVs and conventional SOVs. The compact size of the SOV allows for a wider range in commercial viability, while the unique and optimized design results in high, year-round operability.

The design is a testimony to the dialogue with vessel owners, offshore brokers, technical suppliers, and wind farm operators, to meet the highest safety and comfort standards in the offshore renewable industry.

Chartwell Marine have partnered with VARD to bring this revolutionary craft to market as the VARD 4 03.



Length Overall	57.0 m	Technician berths	36 in single cabins
Beam Overall	19.6 m	Crew berths	18 in single cabins
Beam Waterline	16.0 m	Covered Warehouse	150 m ²
Draught	4.5 m	Deck space	200 m ²
Maximum speed	12 knots	3D compensated gangway with 3t lifting capacity.	
Service speed	10 knots	2t elevator from warehouse, stepless access to TP.	

FEATURES

DESIGNED FOR PERFORMANCE

The Chartwell SOV is designed for the highest performance while being more efficient in size. Thanks to this focus, the workability is equivalent to what can be expected from a typical SOV while offering a vessel with considerably lower CAPEX and OPEX.

Key characteristics of the Chartwell SOV:

- Small waterplane area but large superstructure optimizing workability characteristics.
- Gangway landing heights ranging from 14—22m above waterline.
- Designed with Methanol—Diesel Dual-Fuel engines for emission reduction.
- Optimized energy production and usage with 1,000 kWh of battery capacity.

SAFETY & WELFARE

Stepless access from warehouse to gangway suitable for trolley operations.

36 highly comfortable, single bunk cabins for SPS crew plus 18 crew cabins.

Full visibility from bridge during Walk-2-Work operations.

Large onboard crewing facilities including gym, auditorium, meeting rooms and spacious day rooms.

High levels of operational familiarity for crews and technicians

Large separate wetrooms for male & female crew and technician changing

AVAILABILITY & PERFORMANCE

Perfectly proportioned for offshore wind—hitting the ‘sweet spot’ of vessel size for commercial and operational viability.

Capable of staying within DP footprint in 3m Hs for walk-to-work operations.

Gangway on elevator pedestal provides reach between 14—22m above waterline.

150m² covered warehouse in direct contact with gangway through internal elevator.

Shallow draft to allow access to operational bases in smaller ports.

Displacement vs. installed power provides excellent energy efficiency both during DP-operations and while in transit.

ABOUT

CHARTWELL MARINE

Chartwell Marine is a pioneer in next-generation vessel design. A reputed naval architect with an industry-leading track record designing award-winning high-speed vessels, Chartwell Marine supports ambitious boat builders and vessel operators around the world with specialist, independent design and consultancy services.

CONTACT US

To find out more about Chartwell Marine, please visit:

<http://www.chartwellmarine.com>

