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U.S. WINDFARM SOV  
**VARD 4 19**

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**Key Facts**

Crew | 22  
Medic | 1  
Client | 60  
*\*Optional 90*

Dimensions | ---



**Performance**

ABS DPS-2  
Max Speed | ~13 knots  
Transit Speed | 10 knots  
Endurance | 30 days



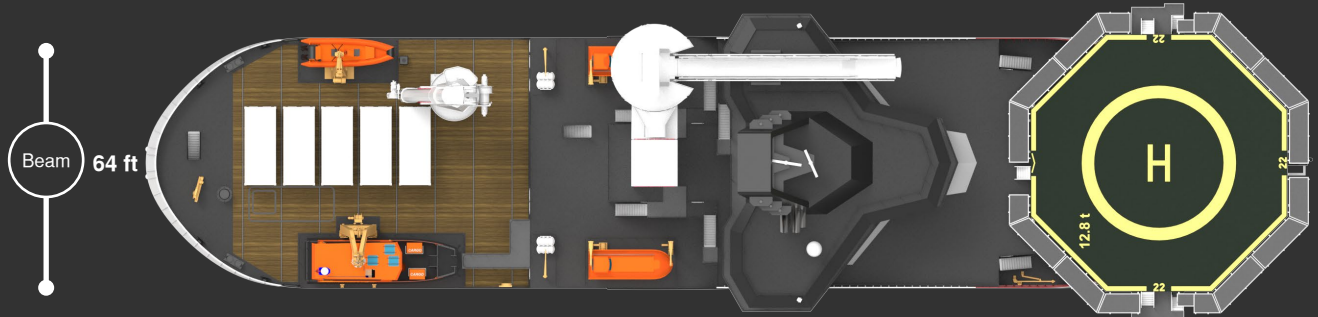
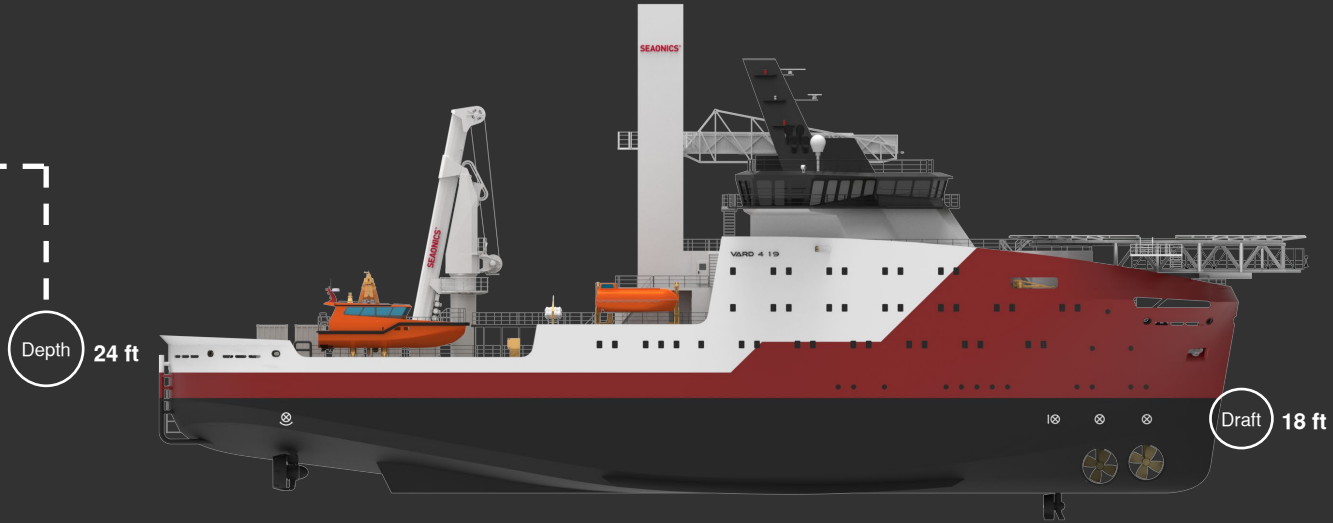
**Propulsion Machinery**

Main Generators | 2 x 1,700 kW  
Main Generators | 2 x 940 kW  
Energy Storage | 1,500 kW-hr



**Auxiliary Machinery**

Azimuthing Propulsors | 2 x 1500 kW  
Tunnel Thrusters | 2 x 1700 kW  
Retractable Thruster | 1 x 880 kW



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**Optimized Workflows**

Arranged to ensure simplified and efficient flow paths exist for clients and crew on board



**Stowage**

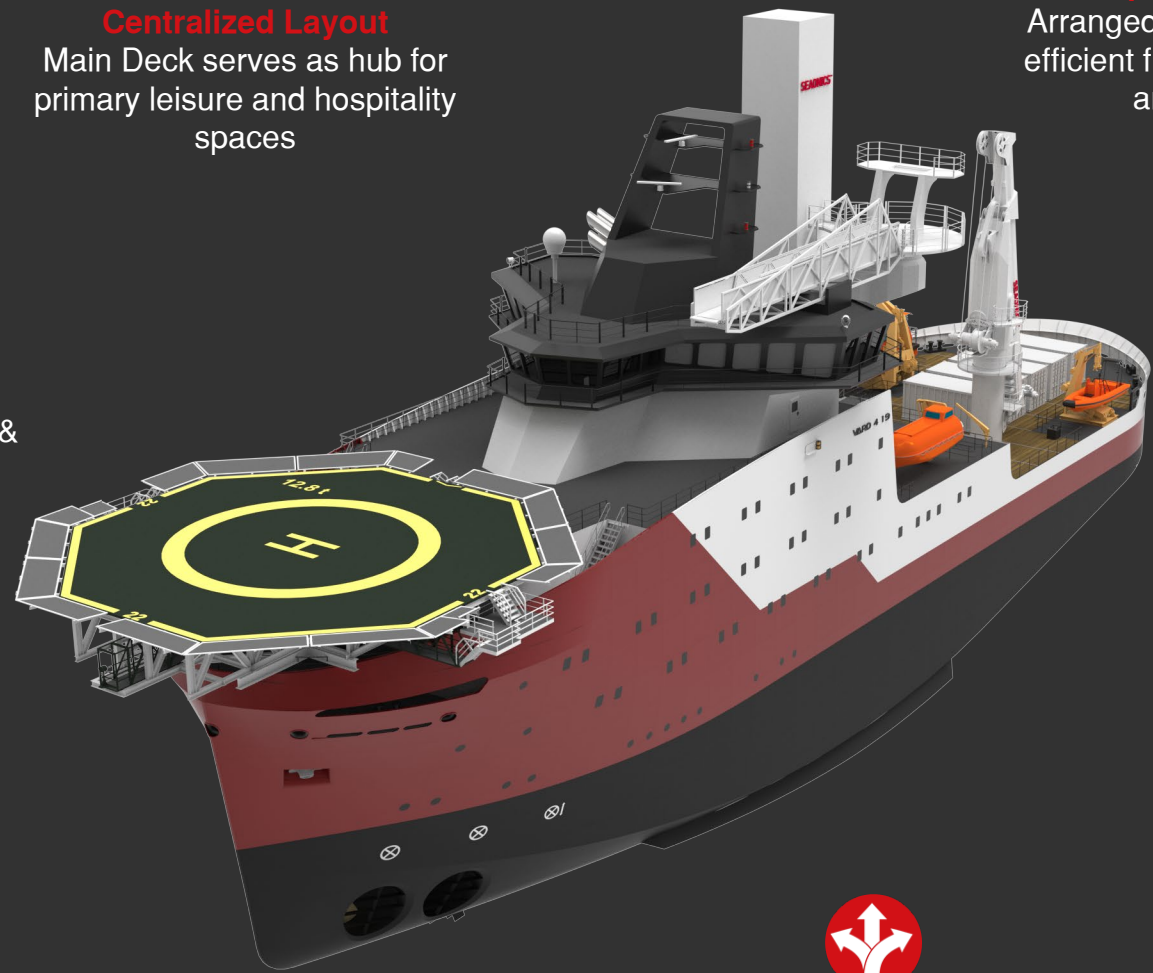
Expansive warehouse, storerooms, and space on deck - all with easy access to gangway and crane



**Growth Potential**

Provisions for additional berthing and lifesaving equipment enable future growth opportunities

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**Centralized Layout**

Main Deck serves as hub for primary leisure and hospitality spaces



**Public Spaces**

Lounge, office, service & recreation spaces arranged to enhance comfort and morale



**Berthing**

Single cabins with dedicated ensembles for all embarked personnel located strategically to minimize cabin noise

**COMFORTABLE.**

**CAPABLE  
CLEAN**

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**COMFORTABLE**  
**CAPABLE.**  
**CLEAN**



**Enhanced Station Keeping**  
ABS DPS-2 propulsion system  
giving operability in 3.5 m Hs,  
20 m/s wind, and 1 m/s current



**Daughter Craft**  
12 m daughter craft with  
single-point davit for  
launch and recovery



**Wave-Breaking Stern**  
High-deadrise cruiser  
form allows for stern  
first DP operations



**Hull Form**

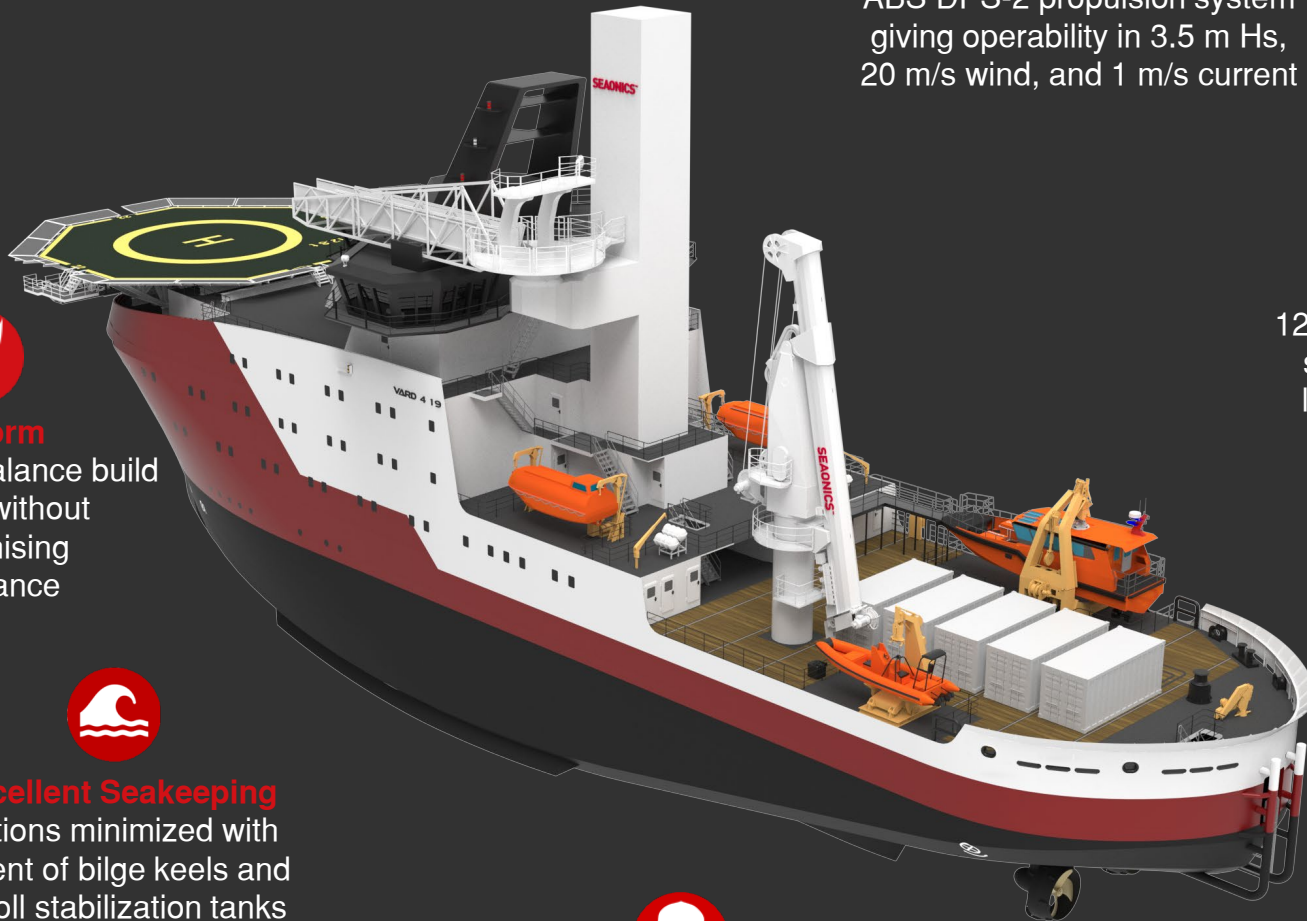
Optimized to balance build  
simplicity without  
compromising  
performance



**Excellent Seakeeping**  
Motions minimized with  
fitment of bilge keels and  
2x roll stabilization tanks



**Extensive Working Deck**  
Large clear area served by 3D crane with  
access to motion compensated gangway,  
daughter craft, and stern landing



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# COMFORTABLE CAPABLE CLEAN.



## Emissions

EPA Tier 4 engines provide reduced NOx and CO2 emissions



## Future Proofing

Future technology spaces allocated to ensure decarbonization can be achieved within current platform



## Phased Approach to Full Decarbonization

Multi-phase plan developed; each successive stage adds emission-free capability



## Fuel Efficiency

Flexibility from the hybrid diesel-electric system to enable optimum engine loading



## Propulsion System

Balances trade-off between increased operability and reduced emissions



## Energy Storage System

1500 kW-hr ESS provides peak shaving capability, spinning reserve, and emission free in-harbor transit

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