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Electric Ferry Concept

VARD 6 508

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Key Facts

Vehicle Capacity | 336 Lane Metres
Indoor Seating | 150 People
Dimensions



Performance

Propulsion Power | 1,600 kW
Max Speed | 14 knots



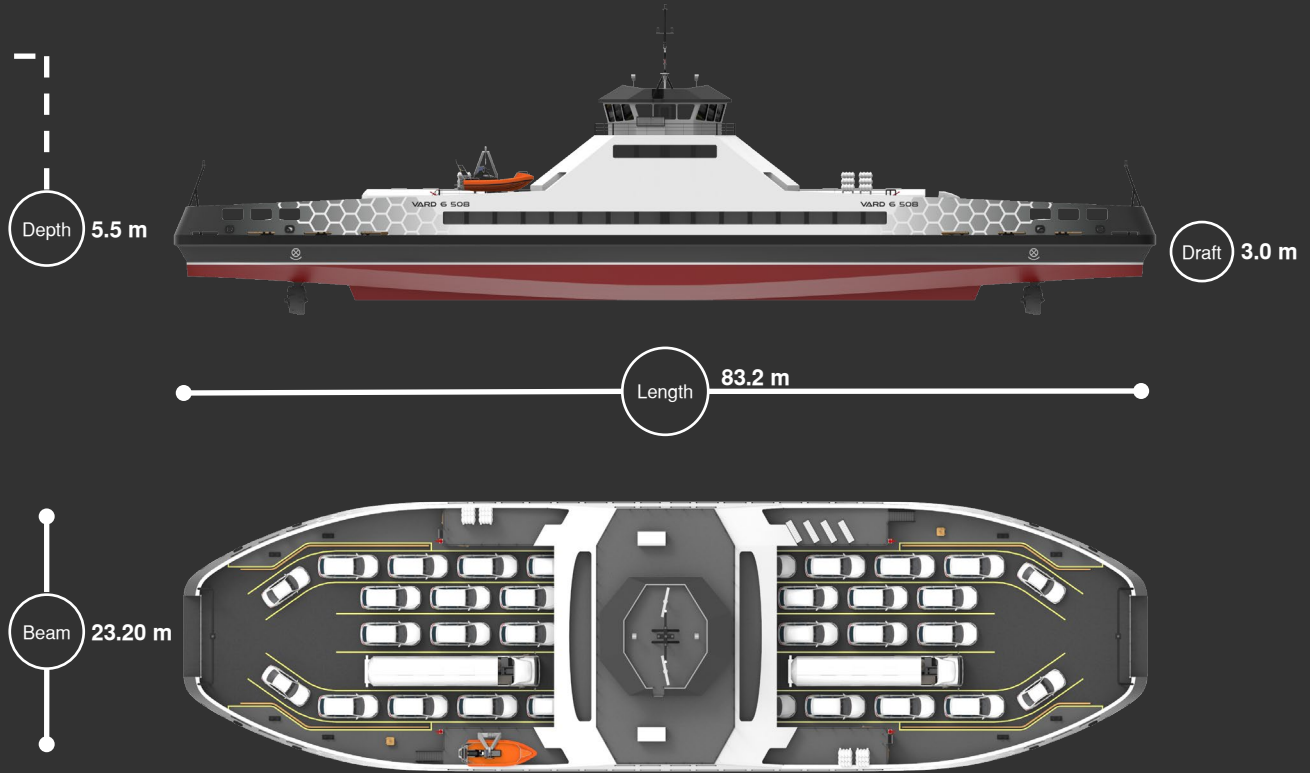
Propulsion Machinery

Fully Electric
Energy Storage | 2 x 2,500 ekW-hr
Optional Generators | 2 x 1,320 kW



Electrical Distribution

Onboard DC Distribution System



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Practical

Boat-in-a-box concept means simplified construction processes so the ship can be assembled anywhere without the support of a dedicated shipyard



Accommodation

Indoor seating area for over 150 persons reconfigurable to any use case



Enhanced Maneuverability

Azimuthing thrusters improve shallow water mobility



Responsive

Battery banks provide instant load response during any operation



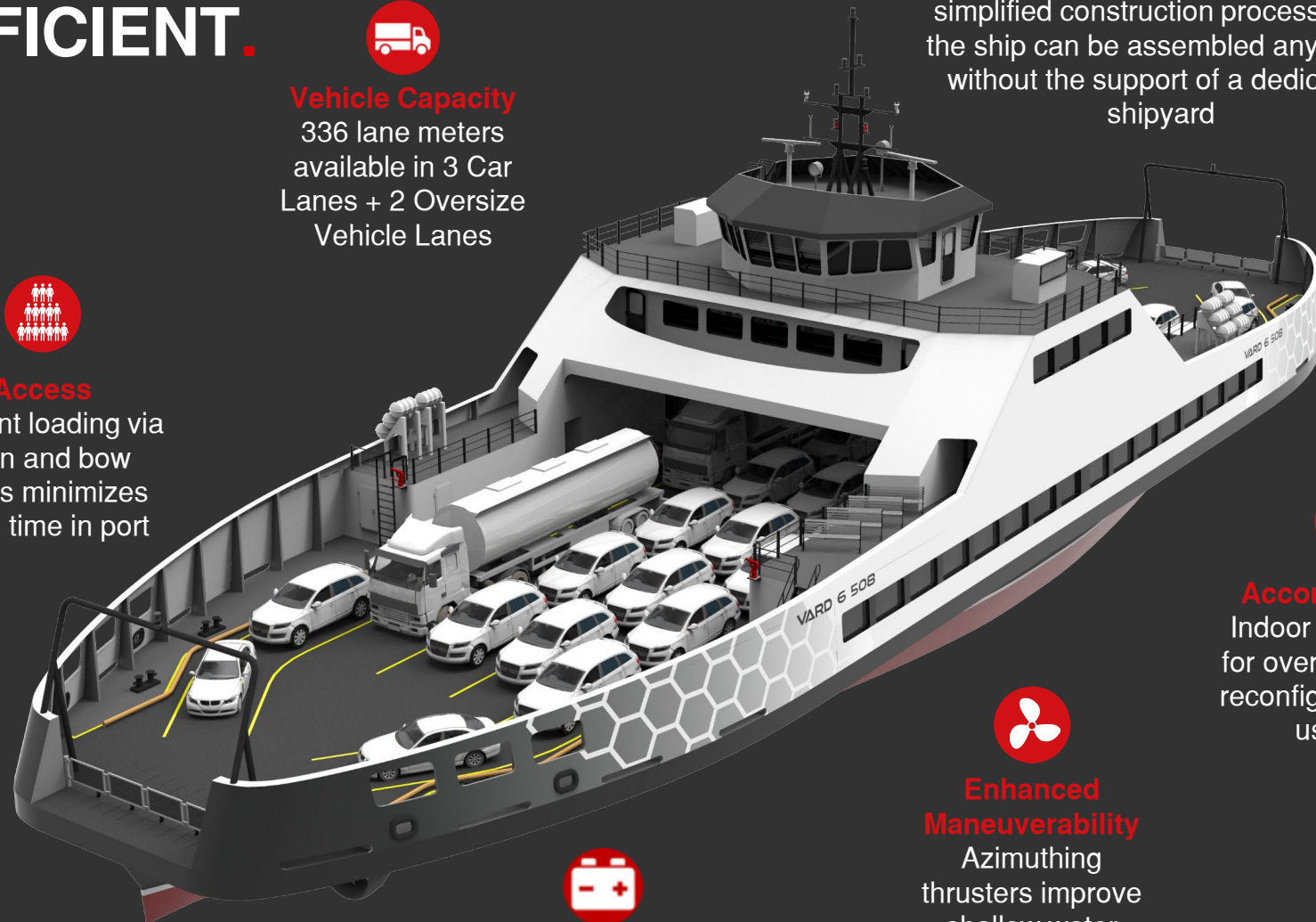
Access

Efficient loading via stern and bow ramps minimizes down time in port



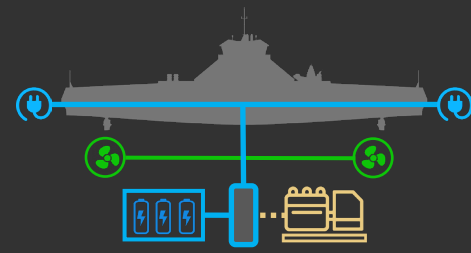
Vehicle Capacity

336 lane meters available in 3 Car Lanes + 2 Oversize Vehicle Lanes



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Adaptable

Optional gensets can be provided and used as a transitional source of power prior to full electric operations



Simple

DC distribution solution streamlines integration of battery system and makes adding battery capacity or other energy storage solutions easier



Scalable

Hull form, propulsion, and powering equipment can be scaled up or down to meet client needs



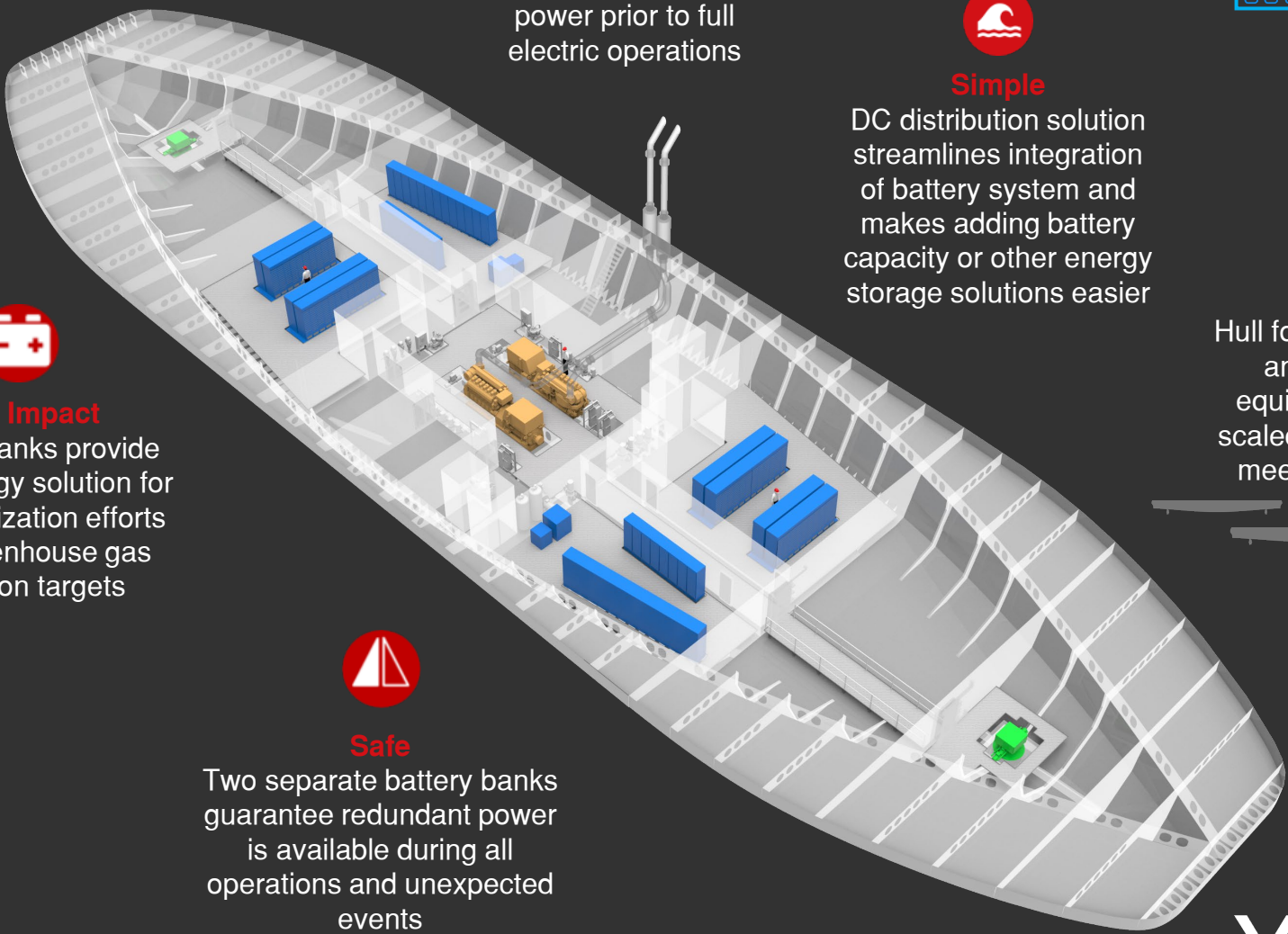
Low Impact

Battery banks provide ideal energy solution for decarbonization efforts and greenhouse gas emission targets



Safe

Two separate battery banks guarantee redundant power is available during all operations and unexpected events



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Analysis

Charging interface from shore can be tailored to any application to decrease time in port



Analysis

Advanced design verification ensures significant life-long improvements in operational efficiency



Simple

Hullform optimized to decrease wake. Reducing effects on shore and passing vessels. Ideal for inland operation



Energy Storage

Battery system reduces dependence on fossil fuels and creates opportunities to meet strict environmental performance targets.



Balanced

Simple and efficient hull lines lend well to the boat-in-a-box concept without compromising performance. Assemble anywhere.



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