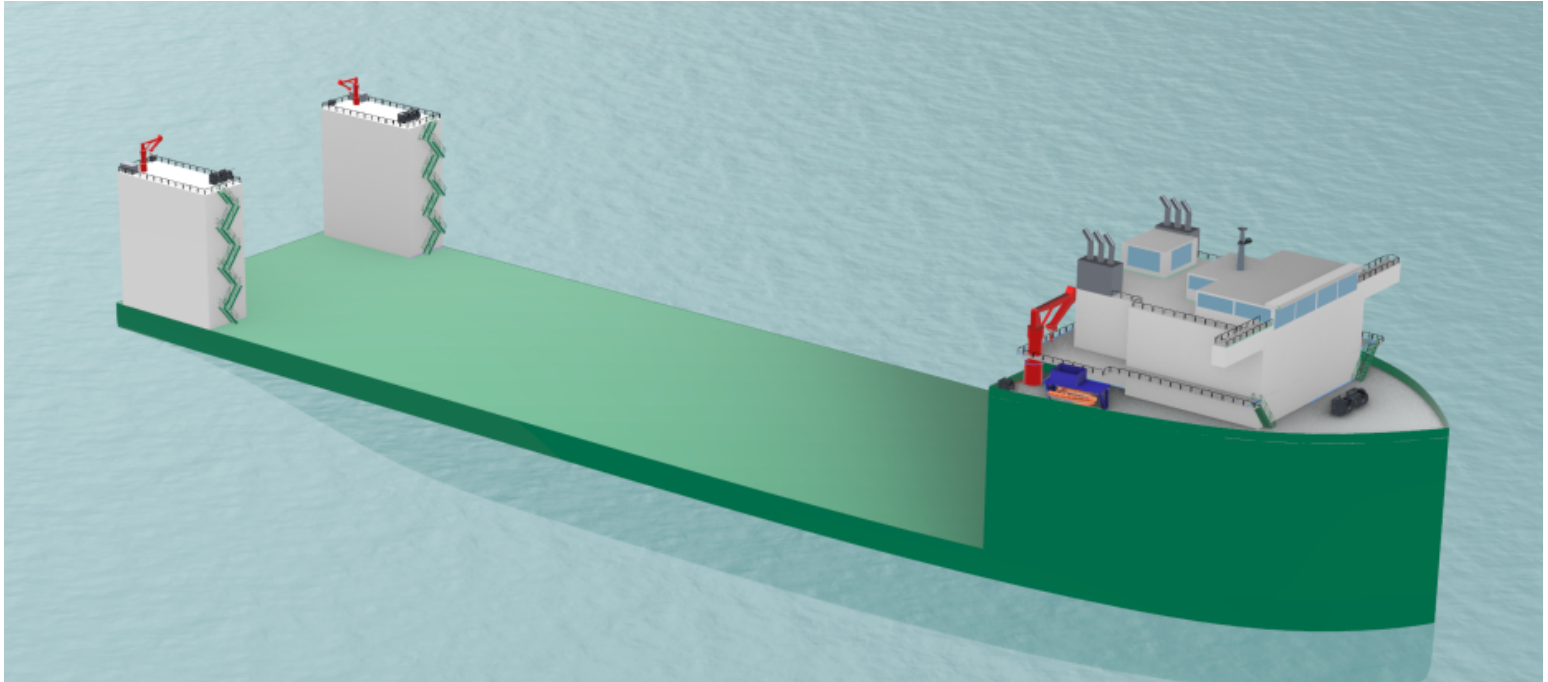


HLV BLADERUNNER



MISSION

The primary purpose of the vessel is to lift and transport large items including floating assets, construction equipment, and assembled products for the offshore wind industry. The vessel will be responsible for transporting equipment across the Atlantic Ocean to North American wind farms.

ABOUT THE VESSEL

The HLV Bladerunner is a semi-submersible heavy lift vessel. It would be the first Jones Act Compliant Heavy Lift Vessel in the US offshore wind industry. The HLV Bladerunner is designed to serve as a construction platform when not in transit.

DIMENSIONS

Length - 160 m
Beam - 40 m
Depth - 11 m
Draft - 8 m
Deadweight - 15500 MT
Lightship - 22700 MT
Accommodations - 32 Berths

CARGO HANDLING

Lift Capacity - 10,000 MT
Cargo Deck Area - 4,200 sq. m
Submerged Draft - 20 m
2 Observation Class ROVs
4 Appleton Cargo Handling Cranes
Endurance - 33 days
Range - 9,500 Nautical Miles
DP2 Equivalent Standard

MISCELLANEOUS

Installed Power - 18665 kW
Gensets - Wärtsilä 31 DF 8V
Propulsion - 2 Azimuthing Thrusters
Design Speed - 12 knots
Batteries - 5,9861 XALT XMP 123E
Ballast Tanks - 34 Individual Tanks
Dual Fuel Compliant Technology
10% Carbon Free Operability

HLV BLADERUNNER DESIGN TEAM

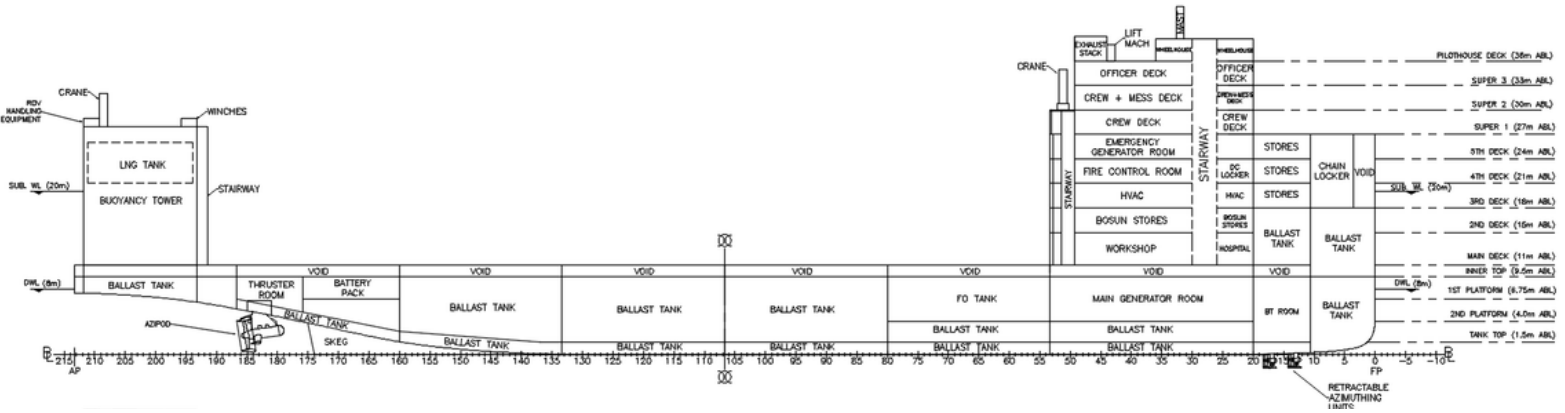
SHIP DESIGN I

WEBB INSTITUTE

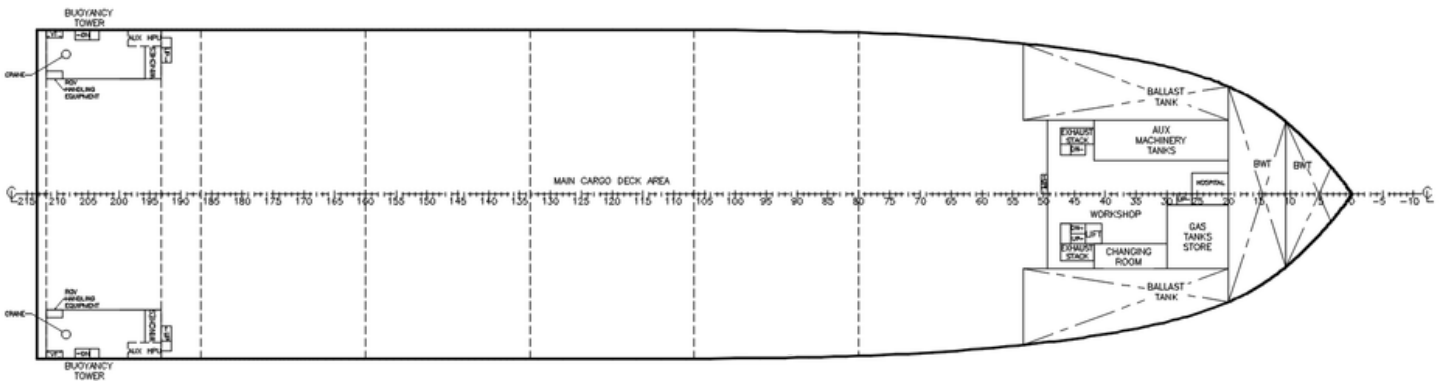
298 CRESCENT BEACH RD
GLEN COVE, NY 11542

MARGO BOURN, ALEX DEMEO, KOHTA ERDOS,
TIM LAZOUSKI & JACK OTTO

HLV BLADERUNNER



PROFILE VIEW



MAIN DECK PLAN VIEW

HLV BLADERUNNER DESIGN TEAM
SHIP DESIGN I
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HLV Bladerunner Design Team



MARGO BOURN

Hometown: Ogden, UT

Internships: NASSCO, ReconCraft, R/V Sikuliaq

Career Plans: Marine Engineer, Rendering

Hobbies: Art and Hiking



ALEX DEMEO

Hometown: Glen Head, NY

Internships: Steiger Craft, NEEC Submarine Stability Project, Sound Marine

Career Plans: Engineer Diver

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KOHTA ERDOS

Hometown: Maynard, MA

Internships: NASSCO, Cape May-Lewes Ferry, Electric Boat, Metal Shark

Career Plans: Offshore Wind

Hobbies: Sailing and Cycling



TIM LAZOUSKI

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Internships: Marine Group, BAE Systems, Global Foundation for Ocean Exploration (GFOE)

Career Plans: Graduate School

Hobbies: Ice Hockey and Foraging



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Hometown: Houston, TX

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Career Plans: LNG Operations

Hobbies: Basketball and Soccer