

ALTERNATIVE FUEL BUNKERING VESSEL B/V AQUILO

Mission: To Deliver LNG or Methanol to Serve the Port of Rotterdam.

Vessel Particulars

LOA	131.5 m
LBP	120.0 m
Breadth Molded	22.0 m
Depth at Side	13.5 m
Design Draft	6.0 m
Bunkering Capacity	6000 m^3

Cargo Capabilities

Total LNG Capacity	7000 m^3
Rated Supply Rate	1000 m^3/hr
Cargo Capability	LNG, Methanol
FWD Tank	IMO Type C, 2500 m^3
Aft Tank	IMO Type C Bilobe, 4500 m^3
Liquid Line Dia.	6”
Vapor Line Dia.	4”

Design Requirements

Maximum Speed	18 kts
Service Speed	15 kts
Emissions Reduction	25%
Classification Society	Class NK
Regulatory Compliance	IMO, IGC
Range	1000 nm

Machinery Particulars

Azipod Units	ABB DO1100P (2)
Main Engines	Wärtsilä 7L25DF (4)
Bow Thruster	Kongsberg TT1300
Primary Fuel	LNG
Subcooler	Air Liquide TBF-700

NEAR ZERO
NAVAL
ARCHITECTS



MEET THE TEAM

NEAR ZERO NAVAL ARCHITECTS

Bringing expertise and experience from various industry sectors, NZNA will make waves with this design.



Michael Coppi; Port Jefferson, NY

Work Experience at MetalShark USA, MetalShark Croatia, and Military Sealift Command. Enjoys running, swimming, hiking, international travel, and learning new languages. Planning on pursuing a career in system engineering.

Daniel Escudero; Peachtree, GA

Work Experience at Shipwright, Quantum Marine Stabilizers, Michael Rybovich & Sons Custom Boatworks. Olympic campaigning ILCA-class sailor, and cycling enthusiast, loves spending time outside and on the ocean. Plans on becoming involved in professional sailing.





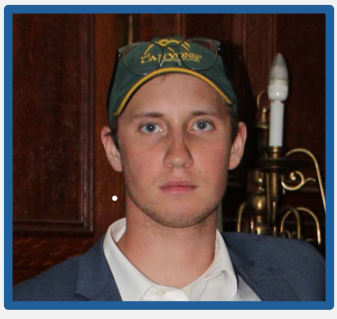
John Feleciano; Portland, OR

Work Experience at Seabulk, Gulf Marine Repair, Stolt Tankers, and NEKA Sailing. Avid sailor and Offshore Race Team Captain. Also loves to spend time outside skiing, hiking, and backpacking. Plans on pursuing a career in operations with a shipping company.

Luke Foye; Milwaukee, WI

Work Experience at Seaside LNG, Chevron, Gulf Marine Repair, and Lake Express Ferry. Enjoys wakeboarding and boating on the LI Sound and keeping up Webb's motorboats. Plans to pursue a career in the energy sector of the maritime industry.





Tyler Zylinski; Lavallette, NJ

Seaside LNG, Stolt Tankers, Snow and Company, and Lavallette Beach Patrol. Music enthusiast, surfer, snowboarder, wakeboarder, swimmer, and runner. Plans on owning a business in ship design/consulting.