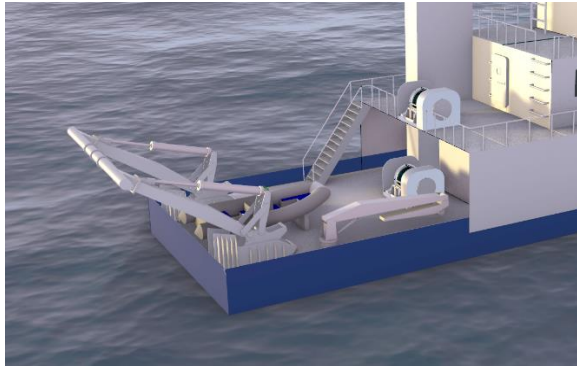


Mission

Our research vessel is intended to meet the demand for small and efficiently crewed research vessels that are suitable for coastal and near-shore research projects. Its purpose is to provide a platform to support a wide range of general marine and ocean sciences that is cost efficient and environmentally friendly.



Features

- Hybrid battery/deisel electric.
- A-frame crane and J-frame crane for in water instruments and remotely operated equipment.
- Capability to carry, deploy, and maintain:
 - One 15-foot high-speed RHIB.
 - Six medium-sized AUVs.
 - Four small ASVs.
- Over 400 square feet of lab space.
- Accommodates 12 scientists and 5 crew.
- Uncontaminated seawater system.
- Flying bride observation station with two big eye binocular mounts.
- Two oceanographic winches.
- Axe bow
- Dual 660 kW azimuthing L-drives.

Design Team

Victoria Kim



Hometown: Garden Grove, CA

Work Experience:

- Polaris New Energy
 - Metal Shark Boats
 - Aurora Marine Design
 - General Dynamics NASSCO
- Career Plans:** Marine engineer

Alexander Lytle



Hometown: Forked River, NJ

Work Experience:

- Metal Shark Boats
 - Webb Institute Researcher
 - General Dynamics NASSCO
- Career Plans:** NA/management

Lorenzo Pensabene



Hometown: West Sayville, NY

Work Experience:

- Polaris New Energy
 - Vigor Shipyard
 - Sayville Ferry Service
- Career Plans:** New ship design

Natalie Webb



Hometown: Shirley, NY

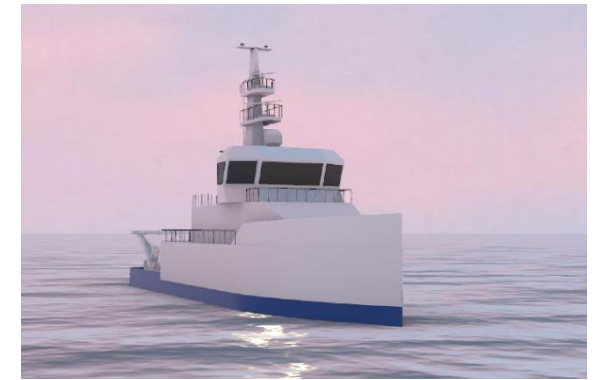
Work Experience:

- International Seaways
 - Webb Submarine Study
 - Global Secure Shipping
 - General Dynamics NASSCO
- Career Plans:** Twitch streamer

R/V Coelacanth Oceanographic Research Vessel



Deep Sea Development Team



Designed by:

Tori Kim
Alex Lytle
Lorenzo Pensabene
Natalie Webb

Principal Characteristics

GENERAL

- Owner GMSO
- Designer Deep Sea Development
- Material Steel
- Classification DNV GL
- Regulations 46 CFR Subchapter C, IMO IS Code, SOLAS 1974

DIMENSIONS

- LOA 110'
- Beam 26'
- Depth 15'
- Design Draft 8'-3"

CAPACITIES

- Fuel Oil 13,194 gal
- Batteries 1,125 kWh

MACHINERY

- Gensets 3x CAT C18
- Propulsion 2x Schottel SRP240
- Power 1,320 kW
- Bow Thruster Wesmar DPC75-150

DISPLACEMENT

- Lightship 353 LT
- Full Load Departure 387 LT

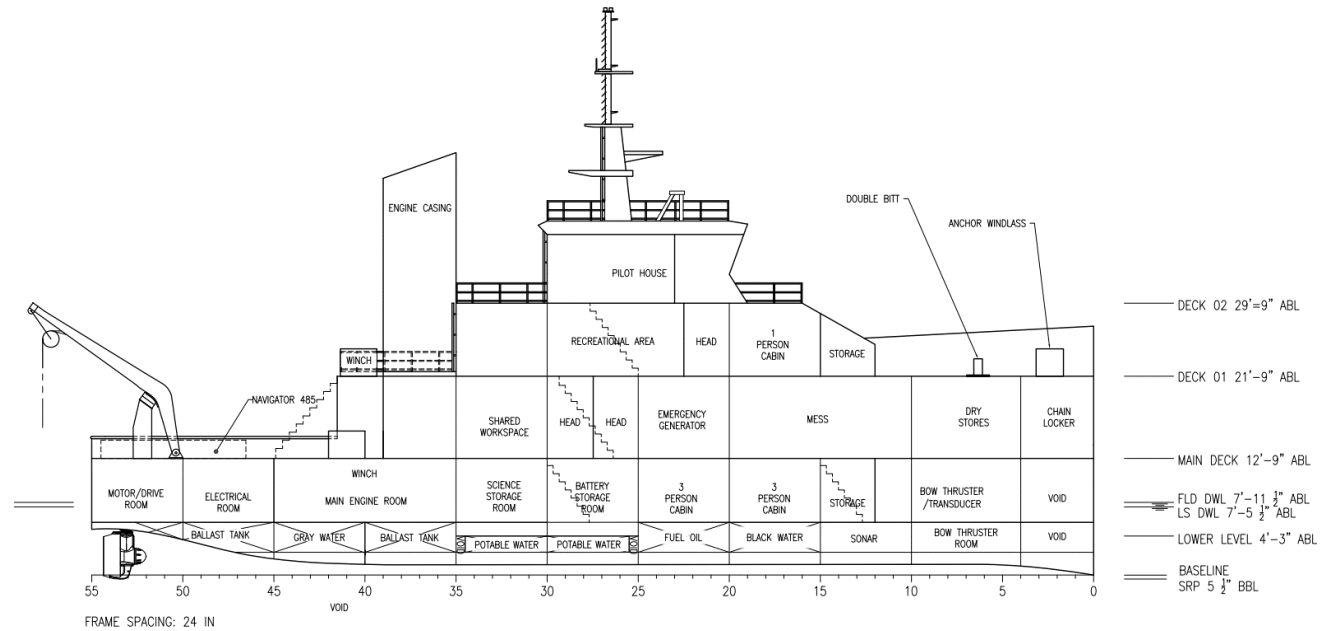
SPEED

- Maximum Speed 14 kts
- Normal Operation 12 kts
- High Efficiency 8 kts

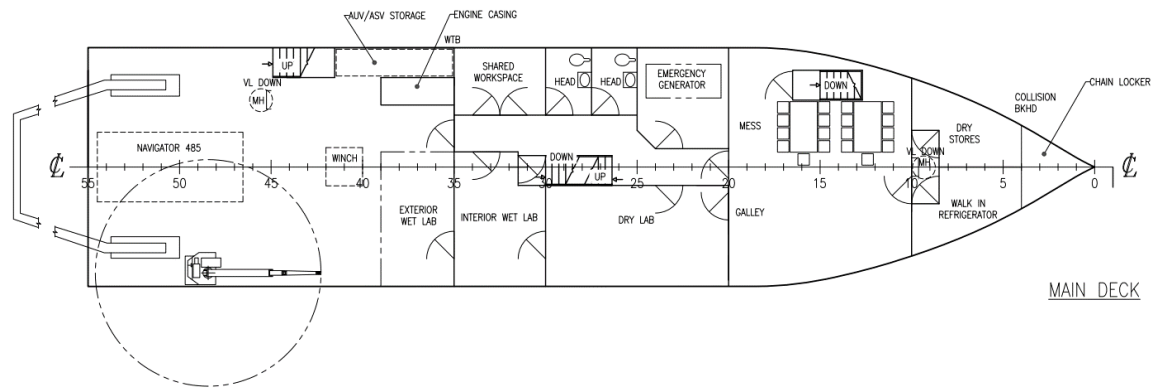
ADDITIONAL INFO

- Compliment 17
- Range 2,500 nm
- Endurance 14 days

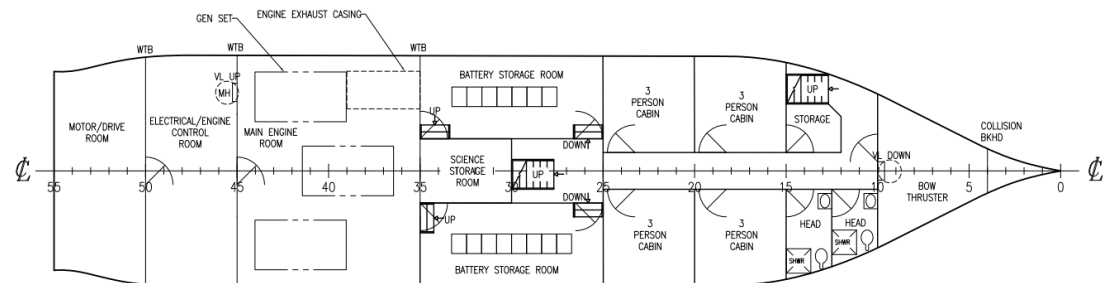
General Arrangement



INBOARD PROFILE



MAIN DECK



LOWER LEVEL