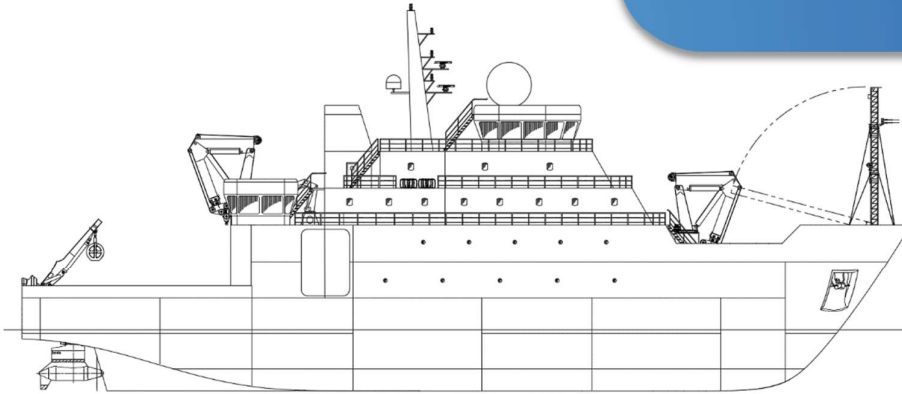


RV J. Ryan



VESSEL DESCRIPTION

The RV J. Ryan is a regional class research vessel designed as a multi-disciplinary research platform which will operate in the near-shore regions of Western Europe from the Baltic Sea to the Mediterranean. The vessel is equipped to conduct 30-day oceanographic missions examining coastal water circulation, ecosystem dynamics, marine fisheries, and climate change.

FEATURES

- Dual Z-drive azimuth thrusters (2 X 2775 kW)
- Dynamic Positioning Class 1 station keeping
- Capability to operate in 0.6 m of first year ice at 3 knots
- Green operation (IMO Tier III compliant)
- Full suite of scientific instrumentation and laboratory spaces

MAIN CHARACTERISTICS

LOA: 72.5 m

Max. Breadth (MLD): 16 m

Depth: 7.6 m

Draft (full load): 4.0 m

Displacement (full load): 2400 MT

Total Electrical Power: 8334 kW

Emergency Generator: 686 kW

Design Speed: 15 knots

Range: 5000 nm

Mission Length: 30 days

Complement: 40 including scientists

Cost Estimate: \$63 million

Compliance: Bureau Veritas NR467 and Ice Class 1B, SOLAS 1974, IMO's 2008 Code on Intact Stability



VESSEL SPECIFICATIONS

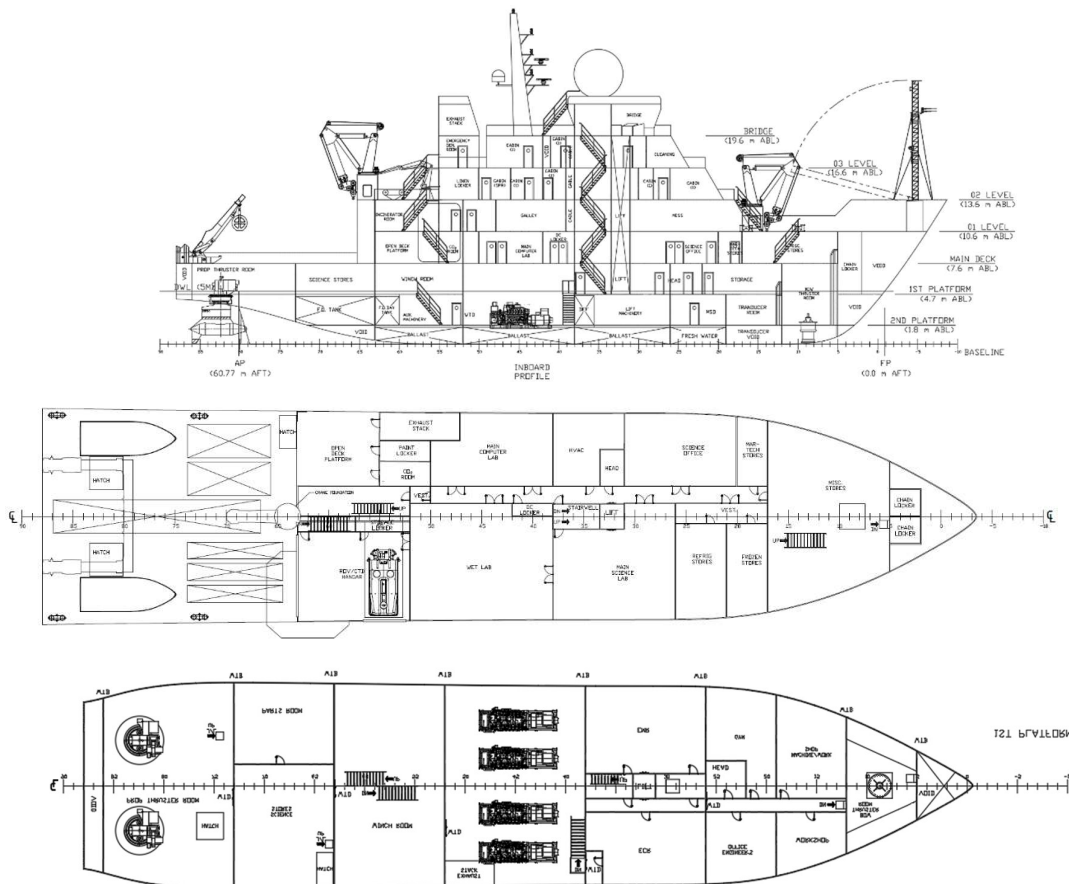
MISSION EQUIPMENT

- Science winches (CTD, deep-sea traction, and hydro)
- 2 x 7 m work boat
- Observation class ROV
- 3 x ISO standard 20-foot science vans
- Midwater and shallow water transducers
- 75 and 150 kHz acoustic Doppler current profilers
- 3 x SailDrone autonomous vessels
- Jump piston corer

DECK MACHINERY

- 2 x deck cranes
- A-frame crane
- Rescue boat and davit
- 4 x 15 person life rafts
- Forward instrumentation mast

GENERAL ARRANGEMENT



OUR TEAM



Flora Grilli

Home: Narragansett, RI
Work: Baltic Boatworks, University of Rhode Island – Ocean Engineering
Personal: Enjoys the ocean and watersports. Travel has sparked interest in oceanographic research.
Career: Pursue masters and PhD related to Naval Architecture



Nathan Johnson

Home: Chuckatuck Creek, VA
Work: Brooklin Boat Yard, United States Marine Inc.
Personal: Enjoys sailing, watersports, and exploring local waterways.
Career: Is focused on engineering in small craft and sailing



Sasha Kritsuk

Home: Russia, La Jolla, CA
Work: Aurora Marine Design, M.V. Stolt Effort
Personal: Grew up by the ocean and wishes to share love of ocean with this design.
Career: Undecided



Jensen McTighe

Home: Fort Lauderdale, FL
Work: Murray and Associates, RV Sikuliaq
Personal: Grew up racing sailboats for Lauderdale Yacht Club. Sikuliaq sparked his interest in research vessels.
Career: Contribute to environmental sustainability and oceanography