

Mackay's Project Group services new-build and retrofit programs for commercial, military/government, and shipyard clients; worldwide.

END-TO-END PROGRAM OFFERINGS

From concept, to commissioning, and through sea-trials, Mackay offers:

- Full Range of Projects
 - Custom Consoles Offering Integrated Navigation System Solutions
 - From Short-Term Projects to Multi-ship Construction Programs
- Proven Commercial Marine Projects Integrator
- IMO-approved Nav/Com Systems with Approved Regulatory Compliance & Certifications
- Adherence to Schedules and Budget Targets

CUSTOMER-CENTRIC FEATURES & DELIVERABLES

- Turn-Key Bridge Electronics
- Preliminary Project and As-Built Drawings
- Program Management & Dedicated Project Managers Streamline Comprehensive Production and Installation Processes
- Custom Designed, Pre-Assembled, and Pre-Wired Consoles
- Post-Launch Annual & On-Demand Service from Mackay's 50+ Global Locations
- Integral service offerings include Estimating, Procurement, Logistics, Installation Management, Commissioning, and Warranty Oversight

THE MACKAY PROJECTS TEAM

Mackay's Projects Team, consists of highly-trained maritime professionals with 50 years of shipbuilding experience.

Mackay has full AutoCAD capabilities; providing 2D and 3D renditions of custom built consoles, point-to-point wiring diagrams, and cabling line drawings.

Complete Electronics Suite & Integrated Systems

Navigation

- Autopilots
- ECDIS
- GYROS
- Integrated Bridge
- Radar
- Steering Systems

Exterior Communication

- GMDSS
- Satellite Data & Voice Systems
- Video & Data Compression

Interior Communication

- Entertainment Systems
- LANs & WiFi
- Public & General Address
- Radio Systems & Phones
- UHF/VHF Repeater Systems

Safety & Security

- AIS & LRIT
- Alarm and Monitoring
- Anti-Piracy
- CCTV, Night Vision Cameras
- EPIRBs, SARTs, VDRs

Below Decks

- Fuel & Flow Monitoring
- Pollution Control (ODME, BWTS, Oily Water Monitors)
- Thrust & Torque Measurement
- Data Analytic Systems

Integrated Custom Console Design



SAMPLING OF COMPLETED MACKAY PROJECTS



AGOR - Sally Ride (Bridge & Vessel) Naval Research



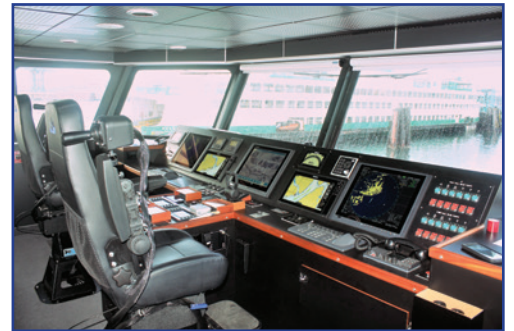
Vigor, LA Pilot Boat



Seaspans Shipyards Offshore Fisheries Science Vessel (OFSV), CCGS John Cabot.



Nichols Brothers Boat Builders: Kitsap MV ENTAI Fast Ferry



Eastern Shipbuilding Group – Staten Island Ferry



Crowley Maritime: El Coquí ConRo Vessel... 2019 Workboat of the Year



Boldini PSVs



SEACOR Sea Power



Shell Mars B