Mackay Marine











Satellite Airtime • Project Integration Services • Equipment Sales & Installation • 24/7 Global Service

Mackay

Marine Electronics &
Satellite Communications

www.mackaymarine.com

Mackay Marine

Leaders in Marine and Offshore Electronics

Complete Portfolio of Electronic Equipment

COMMUNICATIONS
Entertainment
Interior Comm. Systems
Network Mgr. & Cyber Security
Radios – Handheld & Fixed-Mount
Satellite Terminals & Airtime
Sound Reception Systems

NAVIGATION
AutoPilot / Gyros
Chart Plotters/ECDIS
Depth Sounder
GPS & Compass
Integrated Bridge
Radar / ARPA
Situation Awareness (AI)
Speed LOGs
Steering Systems
Weatherfax

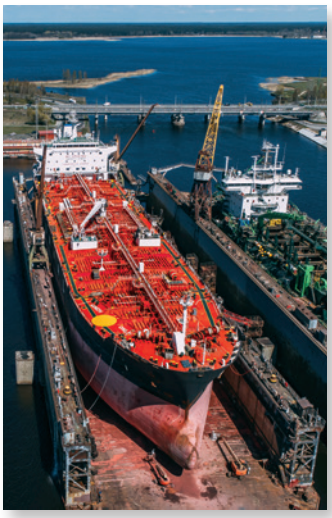
SAFETY & SECURITY
Anti-Piracy Systems
AIS / LRIT
Bridge Alarm (BNWAS)
CCTV & Video Compression
EPIRBs / GPIRBs
Fire Detection & Suppression
GMDSS (Iridium & Inmarsat)
NAVTEX
Search & Rescue (SART)
Ship Security Alert (SSAS)
Tracking Systems
VDR/(S)VDR & Acoustic Beacons

ANTI-POLLUTION
Engine Room Alarm Monitors
Fuel Blending System
Fuel Consumption Measurement
Fuel / Flow Measurement
Fuel Viscosity Control
Oil Discharge Monitor
Oily Water Monitor & Separator
Torque Measurement

CONSOLE INTEGRATION

DYNAMIC POSITIONING SYSTEMS & SERVICE

We Keep Professional Mariners on the Move



When it comes to one-stop communications and navigation capabilities, the name to know is **Mackay Marine**. Mackay can manage your vessel's entire electronics investment through equipment sales, installation, service, regulatory inspections, comprehensive maintenance agreements, airtime and network applications. Mackay's goal is to understand your needs from start to finish.

For 135+ years, Mackay has served the marine and offshore industries. We are committed to delivering timely, cost-effective, quality solutions for your electronic equipment needs and to keep your marine electronics performing optimally. Mackay is the largest high-seas service company in the Americas with facilities in 33 major ports, and 40 locations in Asia, Australia, Middle East, Europe & Africa. **Mackay World Service** coordinates global service 24/7 to keep your vessels "on the move".

SPECIAL MACKAY PROGRAMS



Mackay World Service (MWS) dispatches marine equipment service worldwide, 24 hours/day. MWS will coordinate the most qualified and cost effective service for repair, maintenance, installations and inspections, through Mackay-owned 73 global offices or with our network of 90 affiliated service agents. Mackay offers global Lump Sum Annuals & multiple levels of Service Maintenance Contracts to keep your bridge electronics operating at optimum performance. Comprehensive Service Reports & History, Fleet Equipment Portfolio, consolidated billing, etc., available on ***MyMackayOnline,*** customer portal.

Mackay Satellite provides a comprehensive line of maritime and terrestrial satellite equipment and airtime, with 24/7 technical support. We offer satellite airtime for Inmarsat, Iridium, KVH & a myriad of VSAT and the new high performance LEO Networks, enabling seamless access to satellite voice, email, data, video, internet, PTT & IoT/M2M services. Our consolidated monthly statements provide detailed vessel & terminal usage, with summaries for comparative analysis over time & across fleets.

New Build & Retrofit Projects: Mackay is a proven leader in the field of "turn-key" integrated electronics and communications systems. Ranging from a simple GMDSS station to a complete system with an integrated navigation bridge console, satellite & internal comms, security components and below-deck systems. Mackay's *Project Integration Group* works with new-build, retrofit, dry dock planning, and military/government integration projects to align cost effective systems to meet their unique requirements and schedule.

Governmental and Regulatory Compliance: Working with over a hundred flag-states, we provide installation, licensing & publications, activation & commissioning, regulatory testing & certification, re-flagging & upgrade services for all navigation & communications equipment requirements. ***MyMackayOnline*** portal is the conduit to collect & track equipment service; providing insight to cusotmers for scheduling required periodic inspections and needed upgrades.

Mackay's Quality • Convenience • Value

Saves You Time & Money

MACKAY'S COMMITMENT TO YOU



- **Responsiveness:** Mackay is a 24/7 worldwide maritime service dispatcher, with live-manned coordinators on 4 continents; providing rapid service schedule confirmation and prompt response to parts and equipment inquiries. Authority is delegated to the field level for quick decision-making and efficient processing to satisfy the customer's needs.
- **Prepared Service and Sales Personnel:** Mackay maintains a state-of-the-art database on all *Customers, Vessels and Equipment* we have sold or serviced. This enables our salespeople to offer appropriate recommendations and enhances repair diagnostics by Mackay's Service Technicians, prior to dispatch.
- **Quality Equipment Serving Multiple Sectors:** Mackay represents both leading and specialized manufacturers of electronic equipment for commercial marine, offshore, fishing, workboat, and passenger vessels; paired with a wide range of terrestrial communication applications.
- **Knowledgeable Technicians:** Mackay staffs over 235 licensed Marine Service Technicians (MST's), averaging fourteen years of field experience. Our MST's regularly attend factory training and are supported by Service Managers, who average over 20 years of experience.
- **Strategic Locations:** Mackay has field offices in 73 strategic global ports (and growing) to expedite service and delivery and minimize travel expense. We will coordinate your domestic and international repairs, 24 hours a day, 365 days a year, through **Mackay World Service**.
- **Stock-On-Hand:** Mackay maintains $18M of spare parts and finished goods inventory for service and immediate delivery. 17 dedicated OTC Global staff. Participates in *ShipServ* marketplace.
- **Accurate, Clear Reporting:** Mackay service orders provide customers with useful feedback, in an easy-to-read format, which can be consolidated into periodic, analytical reports. Service reports & history, vessel equipment portfolio & invoicing are all accessible on ***MyMackayOnline*** customer portal.



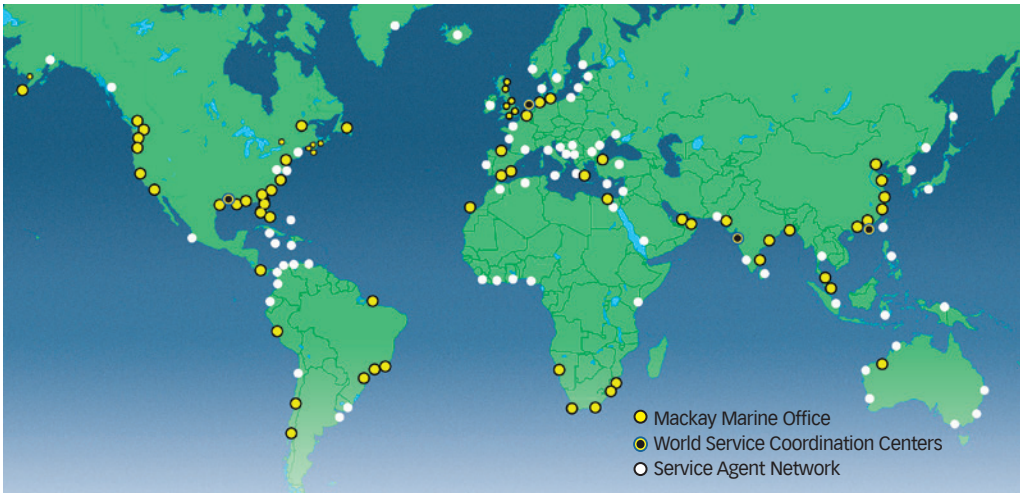
Put Mackay's efficiencies to work to save you money!

Authorized Sales and Service For:

Anschütz
BEAM
Blue Sky Network (ASE)
Boning
Bosch
Cassens & Plath
Cobham SATCOM
  SAILOR
  Sea Tel
Danelec Marine
Deckma Hamburg
Dukane
Eaton Gitiesse
Eutelsat/OneWeb
FIKE
FLIR / Raymarine
Furuno
Hanwha
Highlander
Hoglund Marine Solutions
Icom
Inmarsat / Viasat
Intellian
Interschalt / MacGregor
Iridium
Jotron
JRC
Kahlenberg
Kelvin Hughes/Hensoldt
Kobelt
Koden
KVH
Lars Thrane
Lilley & Gillie
Lopolight
McMurdo (Seas of Solutions)
Navitron
Netwave (Seas of Solutions)
Olex
Pole Star
Port-IT
Raytheon (Anschütz)
RM Young
Rutter (Radar)
RWO
Saab
Samsung
SEA.AI
Simrad Fisheries (Kongsberg)
Simrad (Navico)
Skipper (Jotron)
Snakeways
Sperry Marine (U.K. & APAC)
Starlink
Thales
TIMEZERO / Nobeltec
TOKYO KEIKI
VAF Instruments
Veinland
Wartsila (TRANSAS)
wideye Addvalue
YDK (Yokogawa)
Zenitel

Service available for all brands of equipment

Mackay World Service *coordinates customer service worldwide:*



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