



Trusted for **Life**™

The Most Trusted Name in Emergency Readiness and Response

Overview

McMurdo is the world's most trusted name in Emergency Readiness and Response which include search and rescue and maritime domain awareness solutions.

We are the market leader in integrating products, technologies and services into solutions that prevent emergencies, protect assets and save lives.

A Proven History

For over 150 combined years, our relentless commitment to innovation has been, and continues to be, fueled by a passion for helping people prepare for – and reliably respond to – emergency situations.

Our comprehensive solutions are trusted by thousands of customers and partners worldwide in industries such as aviation, commercial fishing, government, marine, military, outdoor and others. Each can confidently and safely operate in remote or high-risk environments – anywhere around the globe – knowing that they are backed by years of industry knowledge, market intelligence and product innovation.

A Vision for the Future

Today, we offer the world's only complete, end-to-end emergency readiness and response platform – from distress beacons to search and rescue infrastructure, to mission control and rescue coordination centers to maritime domain awareness.

Tomorrow, we will uphold our promise by continuing to develop life-saving solutions that embrace quality, leverage partnerships and remain at the forefront of innovation.

We want new generations to feel safe doing what they love – whether that's sailing, flying or exploring – at sea, in the air, or on land.

Because at McMurdo we value life, relationships and promises kept.

We are McMurdo – Trusted for Life.

McMurdo at a Glance

- The global leader in emergency readiness and response including search and rescue and maritime domain awareness solutions
- Over 150 combined years of experience with proven, historical product brands Boatracs, Kannad, McMurdo Marine, Sarbe and Techno-Sciences, Inc.
- Head office in Sophia Antipolis, France. Other offices in France (Guidel), UK (Portsmouth) and United States (Washington D.C. and San Diego)
- Customers in over 100 countries in aviation, fishing, government, maritime, military, outdoor and other industries worldwide
- A division of Orolia Group (NYSE Alternext Paris – ALORO)



Our Solutions – Search and Rescue

McMurdo provides the world's first end-to-end search and rescue ecosystem – from distress beacons to satellite connectivity to mission control and rescue coordination center systems. Our solutions have been at the core of the COSPAS-SARSAT satellite-based search and rescue system since its inception in 1982, and we have been instrumental in helping to save over 37,000 lives since that time.

McMurdo is also driving the definition, development and deployment efforts of MEOSAR – the next-generation version of COSPAS-SARSAT which will include key enhancements such as instantaneous beacon detection for even faster rescue response.



The McMurdo Search and Rescue Ecosystem.

Distress beacons send a signal via a satellite to a satellite ground station. These signals are then sent to mission control centers for location positioning and eventually to rescue coordination centers for the actual rescue.



ELTs

McMurdo's Kannad Integra ELT is the most innovative ELT in the aviation industry with built-in redundancy to maximize the chance of rescue. A dual-antenna design and embedded GPS ensure that distress signals and positioning data can be sent independent of the aircraft systems.



EPIRBs

Maritime customers have trusted McMurdo's reliable, high quality EPIRBs and have been for years as a critical component of their search and rescue and GMDSS equipment set. The EPIRBs, which are supported by McMurdo's global service network, ensure rapid connectivity to the search and rescue system in the event of an emergency.



Military-Grade

The world's leading military organizations and armed forces trust McMurdo's Sarbe beacons which are specially built for use in military operations.



PLBs

As the first Personal Locator Beacon on the market, outdoor enthusiasts, recreational maritime users and general aviation pilots have trusted McMurdo's FastFind PLBs to be found in the event of an emergency.

Satellite Ground Stations (Local User Terminals)



McMurdo ground stations, used by the world's leading search and rescue authorities, combine state-of-the-art signal processing technology with precise location algorithms to achieve unprecedented performance in distress beacon detection and location.

Mission Control Centers



McMurdo mission control center solutions are critical to determining the location and position of a distress beacons which is eventually forwarded to rescue coordination centers and rescue authorities for the actual rescue. Through search and rescue alerts, real-time satellite locations and footprints and other key variables, rescue teams are provided with information needed to expedite and optimize a rescue operation.

Rescue Coordination Centers



McMurdo provides a complete collaborative emergency response management system with integrated incident management, real-time situational awareness and search planning tools to facilitate effective rescue coordination.

Other Search and Rescue Solutions



McMurdo offers a number of other search and rescue solutions including SARTs and AIS Man Overboard devices. McMurdo's SmartFind AIS MOB devices, for example, were the first products using AIS technology to notify nearby AIS-equipped vessels within a 4 miles radius for "local" rescue.

Our Solutions – Maritime Domain Awareness

McMurdo has a broad portfolio of maritime domain awareness solutions that are trusted by the world's leading maritime authorities, fisheries and workboat companies and to track, monitor and protect key assets.

Whether for coastal surveillance, fleet management or vessel monitoring systems, McMurdo has the system integration experience and expertise transform multiple technologies into comprehensive solutions.



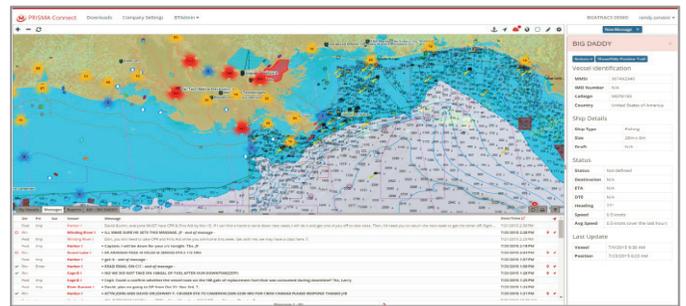
Comprehensive Maritime Domain Awareness. McMurdo MDA solutions include the world's longest contiguous coastal surveillance system. The system monitors and tracks activity along a 3,000 km stretch of the Strait of Malacca in Indonesia.

Coastal Surveillance



McMurdo's comprehensive coastal surveillance solution provides real-time intelligence to search and rescue teams, patrol and law enforcement units and government and non-government agencies involved in maritime domain safety, security and resource management. By integrating surveillance and safety technologies (e.g., radar, cameras, sonar) and sharing this information via a breadth of communications options, display capabilities and data analytics, decisions can be made faster to ensure the protection of borders, assets and people.

Fleet Management



McMurdo's PRISMA Connect is a web-based integrated fleet management solution that provides real-time visibility to vessels anywhere in the world via various ship-to-shore communications options. In addition to typical fleet management functions such as vessel tracking, route planning and historical data reporting, PRISMA Connect also includes two-way messaging, electronic forms capture, Transas nautical charts and geofencing to further streamline operations and increase productivity.

Fishing Solutions



McMurdo's strong reputation in the fishing industry includes being the first Vessel Monitoring System with messaging used by a major US fishery. With species-specific controls and location restrictions monitored by regulatory agencies around the world, reliable and affordable VMS solutions are critical for successful commercial fishing compliance. McMurdo also provides a variety of communications and safety solutions to ensure fishermen can reach shore side operators, stay in contact with family and respond quickly in the event of an emergency.

Aids to Navigation



McMurdo offers a number of highly versatile navigational monitoring systems including AtoNs and Racons designed to improve navigational safety, track environmental conditions and prevent collisions. Whether for oceanography data management, tidal drift monitoring or navigational hazard marking, McMurdo navigational solutions use technologies such as AIS and radar to provide real time data to optimize and enhance vessel operations.

Other Maritime Solutions

McMurdo provides a number of other maritime-related products that are critical to ensuring a safe maritime domain including GMDSS products (radios, SARTs, Navtex), e-Navigational solutions and a variety of communications solutions.

Trusted by Our Customers

AVIATION



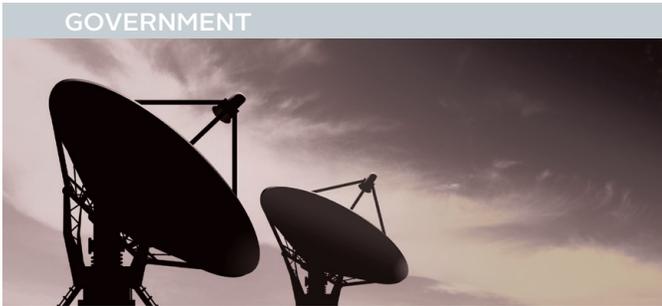
Leading aircraft manufacturers (e.g., Airbus, Boeing, Bombardier, Embraer, Pilatus) and major airlines (e.g., British Airways, China Airlines, Southwest Airlines, United Airlines) trust McMurdo products, technologies and innovations for their aviation-specific search and rescue needs.

FISHING & WORKBOAT



Several of the largest commercial fisheries (e.g., Atlantic Capes Fisheries, Irish Fisheries), workboat companies (e.g., Kirby Inland Marine, Marquette Transportation) and fishing authorities (e.g., Fisheries and Oceans Canada, Indonesia Ministry of Marine Affairs & Fisheries, NOAA) trust McMurdo to improve fleet-wide communications, streamline operational efficiencies and increase crew productivity.

GOVERNMENT



The world's leading search and rescue authorities, law enforcement agencies and first responder teams (e.g., Australian Maritime Safety Authority, Maritime New Zealand, NASA, NOAA SARSAT) trust McMurdo solutions to expedite and enhance the rescue process.

MARITIME



McMurdo's strong reputation, proven history and quality products in commercial maritime are a few of the reasons why customers around the world (e.g., BP, British Royal Navy, Maersk, RNLI, Shell) trust McMurdo products for both mandated and non-mandated maritime search and rescue requirements.

MILITARY



Military organizations globally whether Air Force, Army, Coast Guard or Navy trust McMurdo for its broad, robust and highly-secure solution portfolio which includes military-grade Sarbe distress beacons and other systems tailored to the specific needs of military organizations and armed forces.

OUTDOOR



Hikers, kayakers, campers and others who enjoy outdoor activity trust McMurdo products as a key part of their emergency preparedness efforts.



Trusted for Life™

Contact your McMurdo representative today, and find out why McMurdo is *The Most Trusted Name in Emergency Readiness and Response.*

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