MINE COUNTER-MEASURES

UMIS I Unmanned MCM Integrated System



exail


FAJ 2211

Exail, a global leader in stand-off Mine Countermeasures

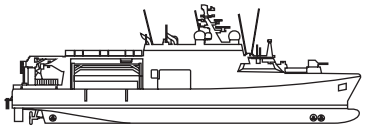
Exail has been supporting over 50 navies with robotic solutions for more than eighty years.

The company plays a key role in advancing Mine Countermeasures (MCM) through a distinctive stand-off approach that enhances crew and vessel safety by avoiding direct exposure to minefields. Its UMIS system delivers a comprehensive, efficient, and cost-effective drone-based solution for maritime mine clearance. As an open robotic platform, UMIS is engineered to survey and secure extensive or complex sea zones, coastal regions, and ports with precision and reliability.

FLEXIBLE MISSION-READY

DEPLOYABLE FROM SHIP OR SHORE

From light setup to full USV, AUV, ROV & C2 capability, adaptable to any navy's operational needs

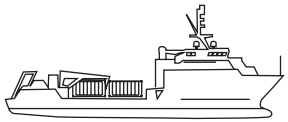


From
MCM VESSEL

Integration by design
Into MCM vessel

Launch-ready
Uses vessel's LARS for safe and efficient USVs deployment

Mission optimized
Ideal for long missions



From
SHIP OF OPPORTUNITY

Modular setup
Transform any vessel into an MCM platform

Quick fit
Fully containerized systems with no permanent changes needed

Cost-effective
Use commercial or auxiliary ships



From
SHORE

Plug & play
Easy deployment from containers (systems and C2)

Full remote operation
No crew at sea

Fast response
Ideal for ports and coastal protection

Ready anywhere
No need for specialized infrastructure, land and air transportable

Watch full stand-off MCM in action

UMIS
SEA-PROVEN NEXT GENERATION MCM SYSTEM

THIRD PARTY UAV
Unmanned Aerial Vehicle (UAV)

INSPECTOR 125

INSPECTOR 125
Reconfigurable Unmanned Surface Vehicle (USV) for mine hunting and sweeping

UMIS is a customizable, toolbox-based system designed to meet the evolving needs of MCM missions. Built for flexibility, it allows navies to configure their own force package-selecting from a range of unmanned assets such as AUVs, USVs, ROVs, towed sonars and UAVs.

T18-M
Towed Synthetic Aperture Sonar (SAS) for mine detection and classification

A18-M
Mid-size Autonomous Underwater Vehicle (AUV) for mine detection and classification

A9-M
Portable Autonomous Underwater Vehicle (AUV) for mine detection and classification

SEASCAN
Lightweight Remotely Operated Vehicle (ROV) for mine identification

K-STER
Lightweight expendable Remotely Operated Vehicle (ROV) for mine neutralization

SMART SCALABLE

POWERING EVERY STEP OF THE MCM MISSION

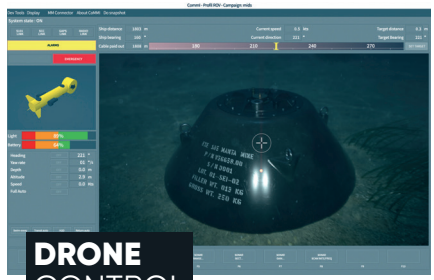
At the core of the UMIS system is Umisoft, a fully integrated software suite that simplifies and streamlines every stage of a mine countermeasures mission. With an intuitive interface and decades of operational know-how behind it, Umisoft ensures seamless coordination of unmanned systems, making missions faster, safer, and more efficient.

UMISOFT COMPREHENSIVE MCM SOFTWARE SUITE



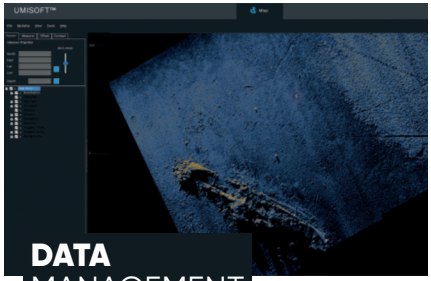
MISSION MANAGEMENT

Prepare • Plan
Supervise • Evaluate



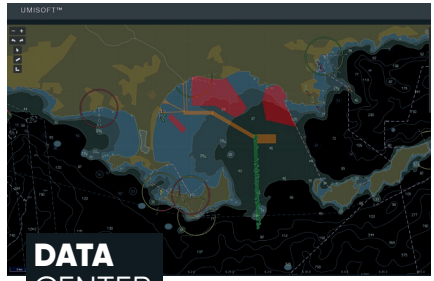
DRONE CONTROL

Execute • Monitor
Identify • Re-plan



DATA MANAGEMENT

Detect • Classify
Analyze • Recognize



DATA CENTER

Strategize • Consolidate
Accelerate • Empower

KEY FEATURES

01 Interfacing with Combat Management Systems (CMS), Mine Warfare Data Centers (MWDC), Military Message Handling Systems (MMHS)

02 Ability to manage multiple drones/ tasks in parallel

03 Open architecture and interoperability

04 Real-time decision support

05 Streamlined data management

WHY CHOOSE UMIS?

1

Advanced stand-off safety

Keeping crews & ships out of harm's way with a fully unmanned approach.

NATO-compliant systems (STANAG 1364) and ITAR free.

2

Accelerated and efficient mine clearance

Speeding up mine clearance thanks to parallelization of tasks.

AI-powered system for more efficient missions.

3

Deployment anywhere

Fully containerized option ready for rapid deployment from any platform.

Ship or shore-based deployment options.

4

Flexible and scalable

Open-architecture and interoperability enabling third-party drones / systems integration.

Adaptable to various naval needs & mission profiles.

5

Training excellence

High-standard training facilities with direct access to the sea for live exercises.

Combining simulators and real drone exercises across various environments.

Products subject to arms export regulations