BEYOND-HUMAN

VIGILANCE AND SAFEGUARDING

ZELIM

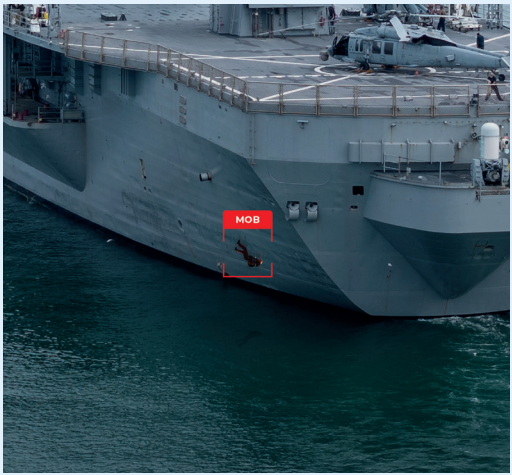
Beyond-human certainty

ZOE

BENEFITS

- Consistent, accurate performance with fully certified man-overboard detection to ISO 21195:2020 standards.
- Enhanced safety for lean crew vessel operations
- Proven in dynamic installations, and operating in blue, green and brown water
- Provides situational awareness during GPS denial and radar jamming events

MOB



AUTOMATED DETECTION & TRACKING OF PERSONNEL IN WATER

Provides automated detection of persons overboard, followed by continuous real-time surface tracking with location data to support coordinated recovery and tactical operations. USN Study 1970-2020: 220 person overboard incidents, 352 casualties, 253 fatal (71.9%).

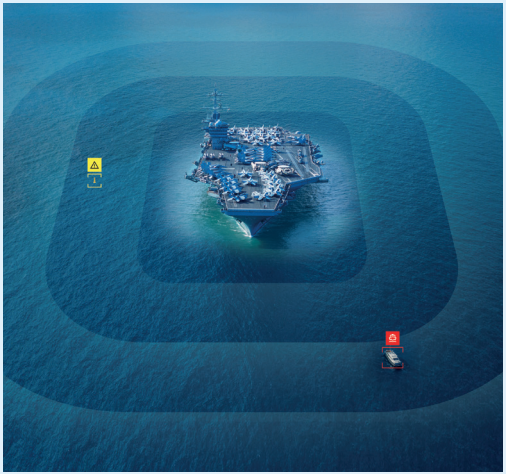
LOOKOUT

ENHANCED SITUATIONAL AWARENESS FOR SAFE NAVIGATION

AI-powered Officer of the Watch, enabling visual detection of non-AIS, uncharted hazards.

Enables early warning to reduce collision risk, maintaining navigational safety in contested, congested, GPS/ radar-denied environments.

SHIELD

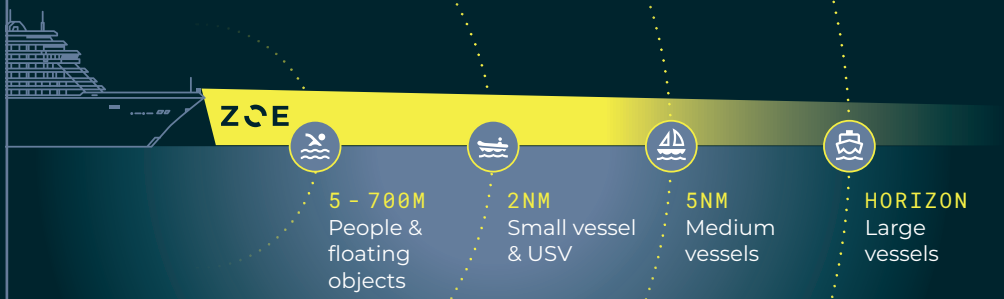


360° PERIMETER THREAT DETECTION

Automatic AI-powered surveillance, detection, classification, tracking, and warning of potential surface threats, including USVs, small or large vessels, and persons in water.

Force security enabler, safeguarding high-value vessels, assets & personnel; Sense, Make Sense, Decide.

ZOE COVERAGE VS TRADITIONAL METHODS



ALWAYS ALERT

Keeping personnel and assets safe since 2024 with 99.8% system uptime.

PROTECTING WHAT MATTERS MOST WITH BEYOND-HUMAN CERTAINTY

When operating in complex maritime environments, timely detection is critical. Darkness, weather, sea state and human fatigue can delay response and increase operational risk.

Zelim builds intelligent maritime detection systems that identify people and threats in real-time, delivering continuous situational awareness, and supporting stronger decision-making. Designed for the most demanding missions, this is beyond-human vigilance, engineered to safeguard lives and assets at sea.

ZELIM DISTRIBUTOR IN GERMANY

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