PROTECTING PASSENGERS. SAFEGUARDING YOUR VOYAGE.

ZELIM

Beyond-human certainty

ZOE

BENEFITS

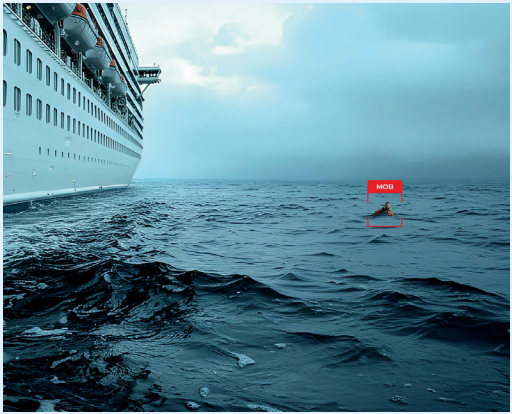
- Automatic detection and real-time alerting of both adult and child overboard incidents
- Fully certified to the ISO 21195:2020 MOB detection standard, independently verified
- Detects and tracks objects not visible to AIS or radar (person in water, inflatable RIB etc.)
- One system with multiple lookout functions
- Incidents recorded and logged for future playback
- Developed by mariners and search and rescue professionals
- Trained on a library of over 9.5 million annotated maritime objects

MOB

AUTOMATIC DETECTION & IMMEDIATE ALERTING

Instant detection when an adult or child falls overboard, delivering instant alerts within the critical survival window. Operating across IR and RGB imaging, ZOE MOB provides reliable performance in all weather conditions, day and night. Fully certified to ISO 21195:2020 standard, and validated for high detection accuracy with minimal nuisance alarms.

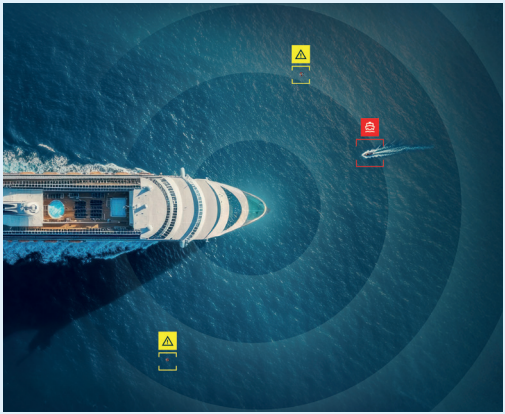
MOB+



MOB DETECTION WITH CONTINUOUS IN-WATER TRACKING

Adds continuous tracking to automated overboard detection, maintaining visual contact throughout rescue and recovery operations. Advanced tracking algorithms provide precise localisation of the individual in the water, even in high sea states and low visibility. Designed to accelerate response and significantly reduce search time.

LOOKOUT

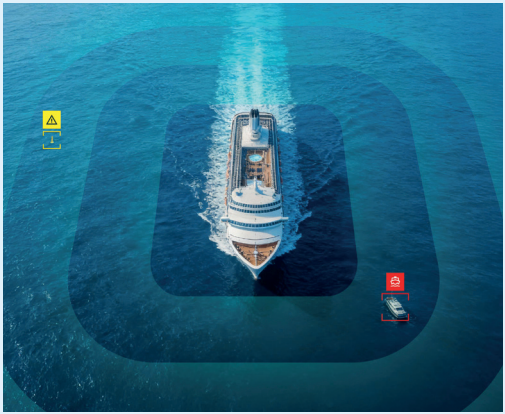


ENHANCED SITUATIONAL AWARENESS FOR SAFE NAVIGATION

Reduces collision risk through AI-enabled detection, classification, tracking and alerting of navigational hazards missed by AIS or radar.

An always-on digital watchkeeper, continuously monitoring the vessel's surroundings and supporting the bridge team with enhanced situational awareness.

LOOKOUT+



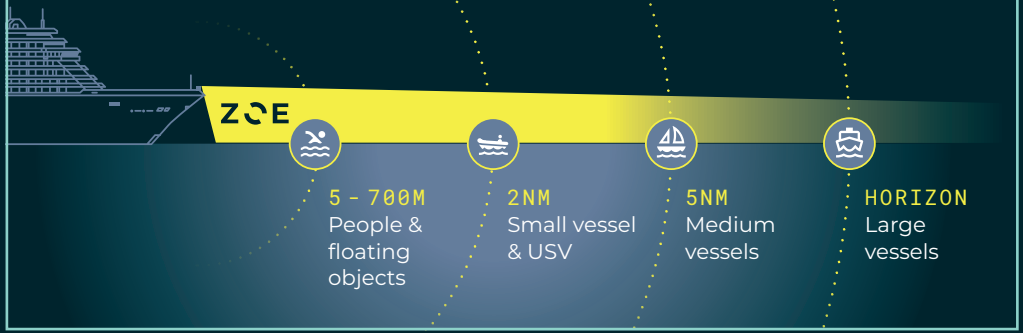
360° PERIMETER AWARENESS

Full 360° perimeter monitoring with automatic detection, classification, tracking and alerting of vessels and objects around the ship.

Provides extended coverage, improving visibility in busy and complex marine environments, and helping crews maintain safe and well-informed operations.

ZOE COVERAGE VS TRADITIONAL METHODS

Always alert – keeping personnel and assets safe since 2024 with 99.8% system uptime.



INDEPENDENTLY VERIFIED

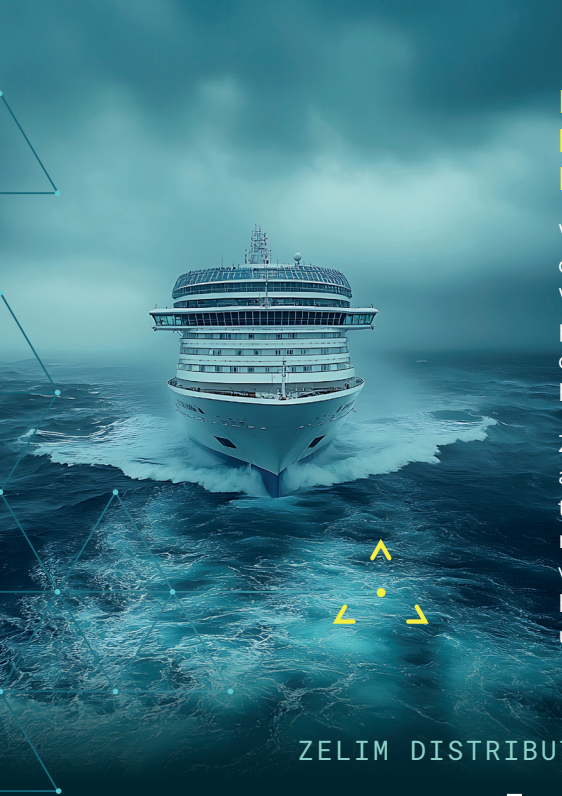
Certified to **ISO 21195:2020** by Lloyd's Register, following live cruise vessel testing, scoring 97% detection rate. Proven to detect both adults and children overboard.

Citation ISO Certification
ISO 9001: 2015
Quality management
REGISTERED
Certificate No: 44928024

Citation ISO Certification
Integrated Management System
ISO 14001: 2015
ISO 45001 2018
REGISTERED
Certificate No: 46365202 4

Citation ISO Certification
ISO 27001: 2022
Information security management
REGISTERED
Certificate No: 46741202 4

APPROVED



PROTECTING WHAT MATTERS MOST WITH BEYOND-HUMAN CERTAINTY

When a person falls overboard, early detection determines the outcome. Without automated systems, the probability of locating a person in the water can fall below 20%. Darkness, weather, human fatigue and delay cost lives.

Zelim builds intelligent maritime safety and security systems that detect instantly, track continuously, and support rapid recovery – extending human capability where it reaches its limits. This is beyond-human vigilance, engineered to eliminate uncertainty at sea.

ZELIM DISTRIBUTOR IN GERMANY

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