



HOSTED BY:



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SWIFT RESPONSE

ENHANCING EMERGENCY PREPAREDNESS
UNDER THE ISPO CODE

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SWIFT

RAPID RESCUE & RECOVERY

- Traditional recovery methods are slow, physically demanding and often unsafe in rough conditions.
- Swift is a patented **rescue conveyor system**, that outperforms conventional equipment in flat calm & rough seas.
- It can safely recover a conscious or unconscious person **in under 10 seconds**, with minimal physical strain to crew, increasing the chances of survival.

	Traditional Recovery	Swift
Recovery speed per person	5 mins +	<1 min
Injury risk to casualty	High	Minimal
Injury risk to rescuer	High	Minimal



WHY SWIFT?

SAFE IN SIXTY SECONDS

- Developed by experienced SAR personnel to reduce **injury risk** during rescue for both crew and casualty.
- Can recover conscious or unconscious casualty **in under a minute**.
- **ISO 19898** as the primary means of recovery of persons.
- **Type Approved to Lloyds Register** and tested up to sea state 6 in 46-knot winds.
- **Rapid deployment**.
- Floats & rides with the waves, **removing risk** of crush injuries.



Only **one crew member required**, vs. minimum 2 members for most traditional recovery methods



Enables recovery of mass casualties in **harsh sea conditions**.



Recovery time 20x faster than conventional recovery methods



Type Approved to Lloyds Register



Minimal risk to casualty and crew vs high risk traditional methods



Winner of Safety Innovation Category at European Commercial Marine Awards

WHY SWIFT?

PERFORMANCE DATA

Length overall	2.18m (custom sizes available)
Width overall	1.7m (custom sizes available)
Weight	175kg
Load capacity	137kg
Power supply	240v / 24v
Sea state	LR Type Approved 2.5 Tested to Sea State 4
Heat/cold protection	-30 to +45°C
IP rating of motor	67
Max angle for rescue conveyor	40°
Stowage	1. Vertically 2. Horizontal on the deck 3. Vertically on the transom



- ✓ Up to sea state 4
- ✓ Max weight 275kg
- ✓ Recover 2 pax at a time
- ✓ Can recover a person in 60 secs regardless of orientation, weight or consciousness

SWIFT INTEGRATION

HOW SWIFT INTEGRATES INTO
PILOT OPERATIONS



- Installs on pilot vessels, workboats, fast rescue craft, and harbour launches.
- Can be retrofitted into an existing vessel, or incorporated into a new-build.
- Installation typically completed in less than one day.
- Deploys without altering standard manoeuvring or approach practices.

ISPO CODE COMPLIANCE

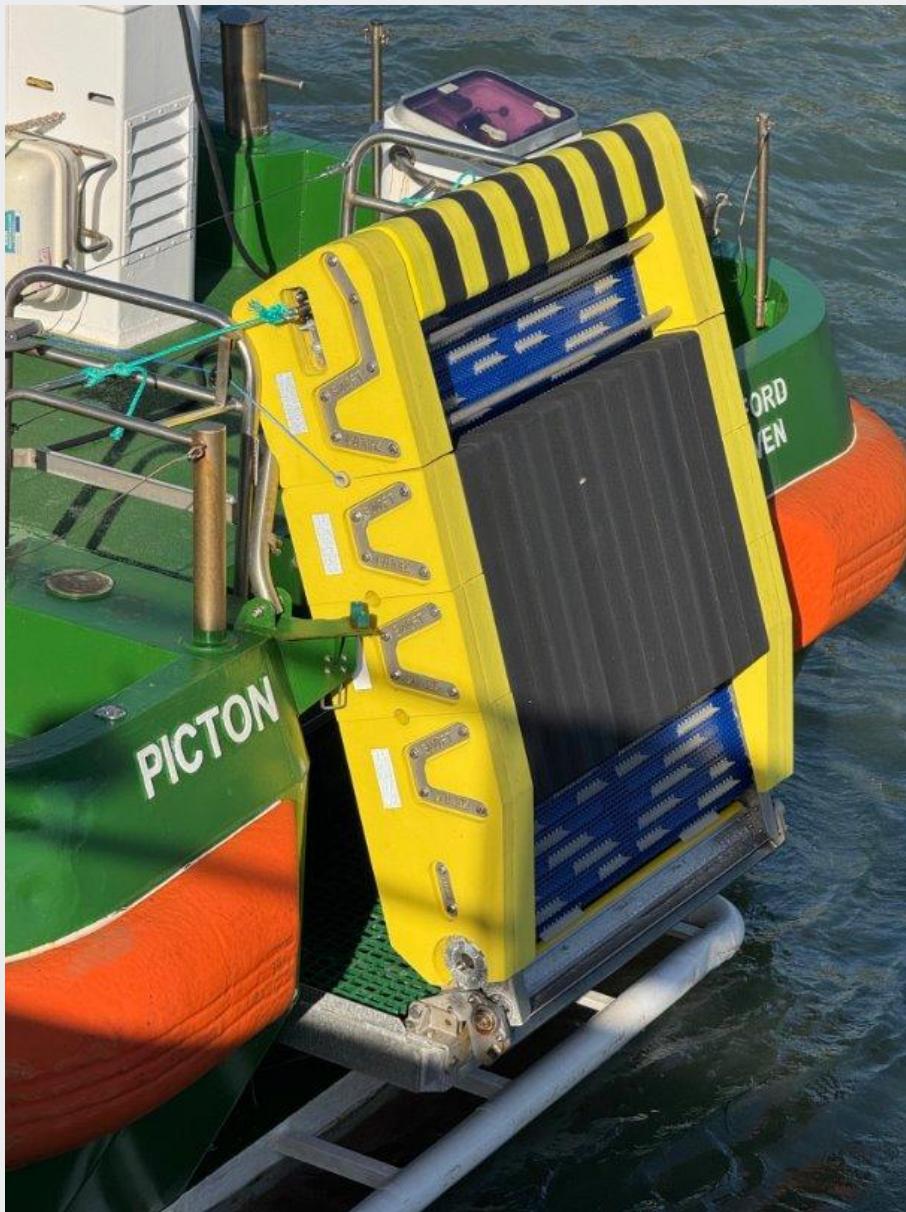
SUPPORTING EMERGENCY PREPAREDNESS & TRANSPORT OPERATIONS (ISPO CODE 9.1 & 9.2)

- **Clause 9.1:** Provides a ready-to-deploy response capability during pilotage operations.
- **Clause 9.2:** Strengthens pilot transport emergency capability & drills.
- **Faster response**, reducing time and coordination critical recovery situations.
- **Uses existing assets**, integrating with current pilot/workboats - no specialist vessel needed.
- Easy to incorporate into regular emergency preparedness exercises, **supporting training & drills**.
- **Reduces risk, minimising exposure to injury** during recovery operations for both crew and casualty.



MILFORD HAVEN PROJECT

DEVELOPING THE SOP FOR PILOT BOATS



ZEITENTRALSERVIZ



CNA

U.S. defends 'victory plan' at EU and NATO

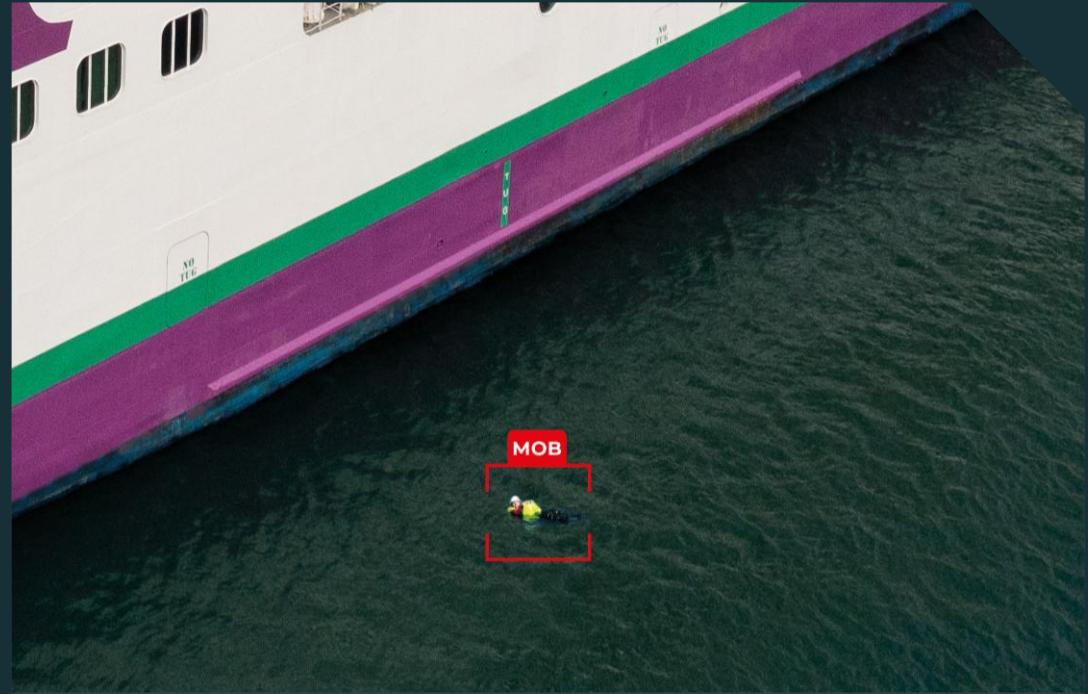
Ukraine to fight on even if no allied support for 'victory plan'

ZOE MOB

AI-POWERED DETECTION,
ALERTING & TRACKING OF
MAN-OVERBOARD EVENTS

When every second counts, ZOE MOB gives crews the vital “where and when”

- Proven with Valaris 99.9% uptime.
- Real-time automated detection and alerting of crew members that fall overboard.
- Precise tracking & geo-location information, pinpointing casualties up to 337m.
- Detection rate of 96.8%, surpassing conventional standards.
- Dual feed daylight & infra-red cameras for consistent detection in daylight, night-time and bad weather.



ISO21195 Approved
MOB Detection



AI models built on
proprietary dataset of
7.5m labelled rescue
images



Delivers detection
and tracking in the
harshest offshore
environments



British Safety
Council's 2025
Health and Safety
Transformation Award

BENEFITS OVER TRADITIONAL DETECTION METHODS

Extreme weather, poor visibility, and human fatigue mean even the best crews can miss a person in distress or fail to recover them in time. Zelim's technology changes the odds.

Key maritime detection and surveillance challenges



Vessel crews still heavily rely on the human eye, either on screen or by **scanning the sea surface**.



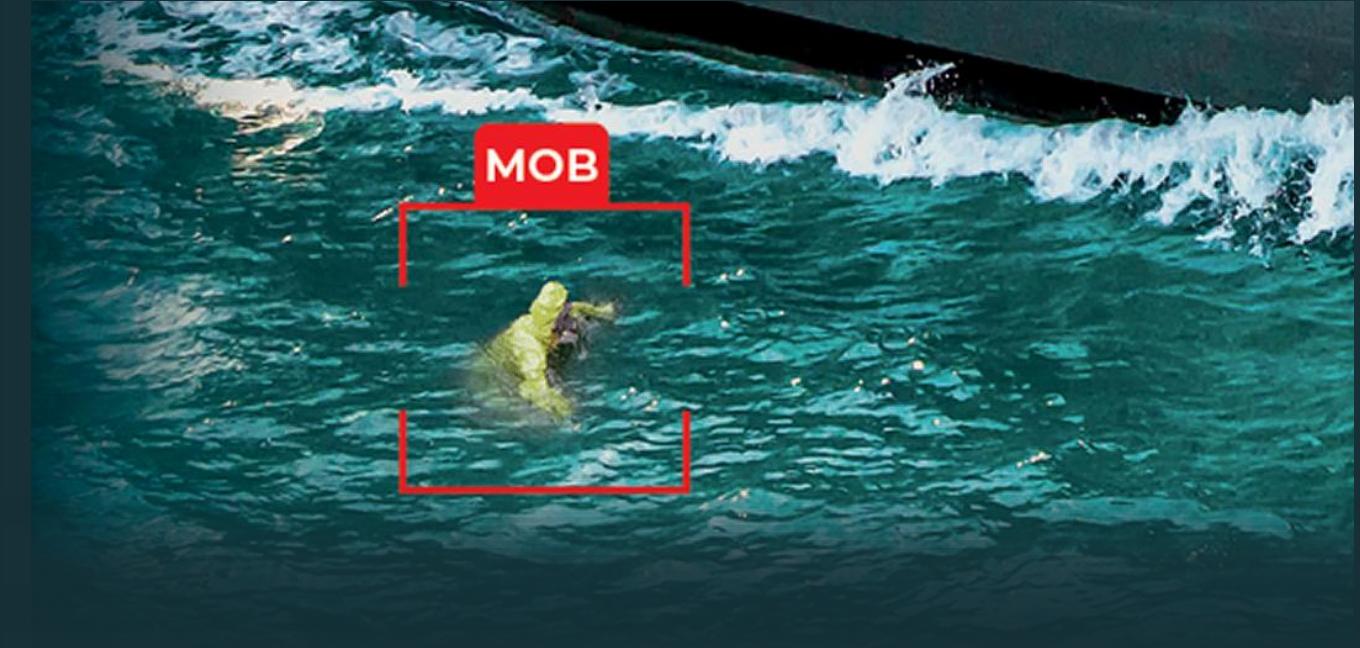
Extreme weather and sea spray drastically reduce visibility, making it easy to miss hazards or people in the water



Radar/AIS systems miss low-signature objects, such as unmanned surface vessels (USVs), RIBs or persons in water



80% of deaths in the water occur in the **first 30 minutes**.



ZOE: Overcoming key challenges & providing significant benefits



Automatic detection, tracking and alerting of persons in the water.



Not affected by **distraction fatigue, or workload**.



Human searcher proven to be less than 20% effective. ZOE achieves **>95% detection accuracy**.



Reduces crew workload and improves decision-making in high-pressure environments.



Instantaneous detection **saves valuable time** during search and rescue.



Detections are logged with time and location stamps and **stored indefinitely**.



Performs in bad weather, including through fog, sea spray, and darkness.



Defined event **action plan** for users in emergencies.

THANK YOU



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