



HOSTED BY:



# 2025



## ISPO CONFERENCE

DUBAI | UAE | NOV 27 - 28







# SWIFT RESPONSE

ENHANCING EMERGENCY PREPAREDNESS  
UNDER THE ISPO CODE

**John Arnold**  
Sales Executive

# 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 Lloyd's 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

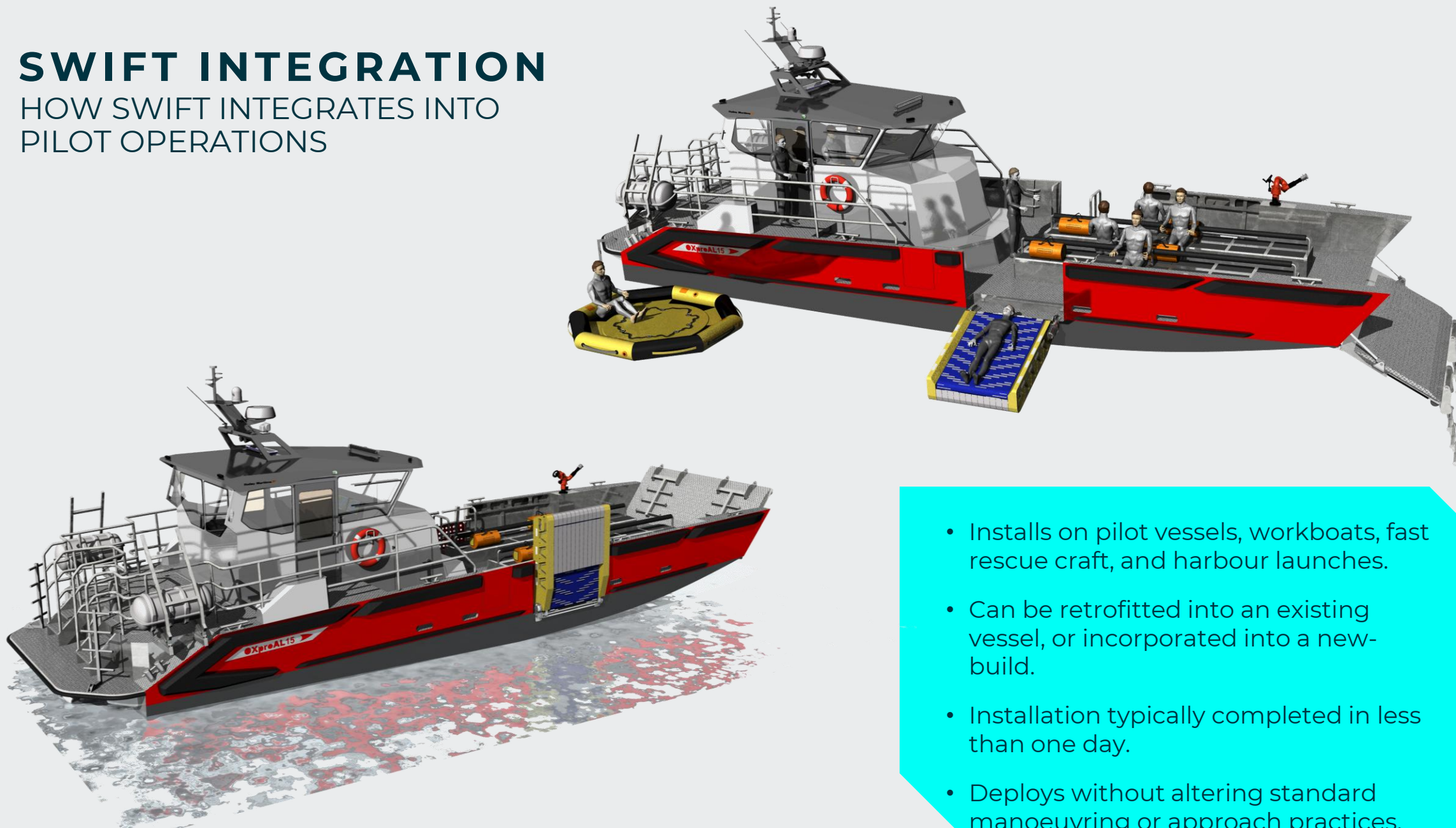
<b>Length overall</b>	2.18m (custom sizes available)
<b>Width overall</b>	1.7m (custom sizes available)
<b>Weight</b>	175kg
<b>Load capacity</b>	137kg
<b>Power supply</b>	240v / 24v
<b>Sea state</b>	LR Type Approved 2.5 Tested to Sea State 4
<b>Heat/cold protection</b>	-30 to +45°C
<b>IP rating of motor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

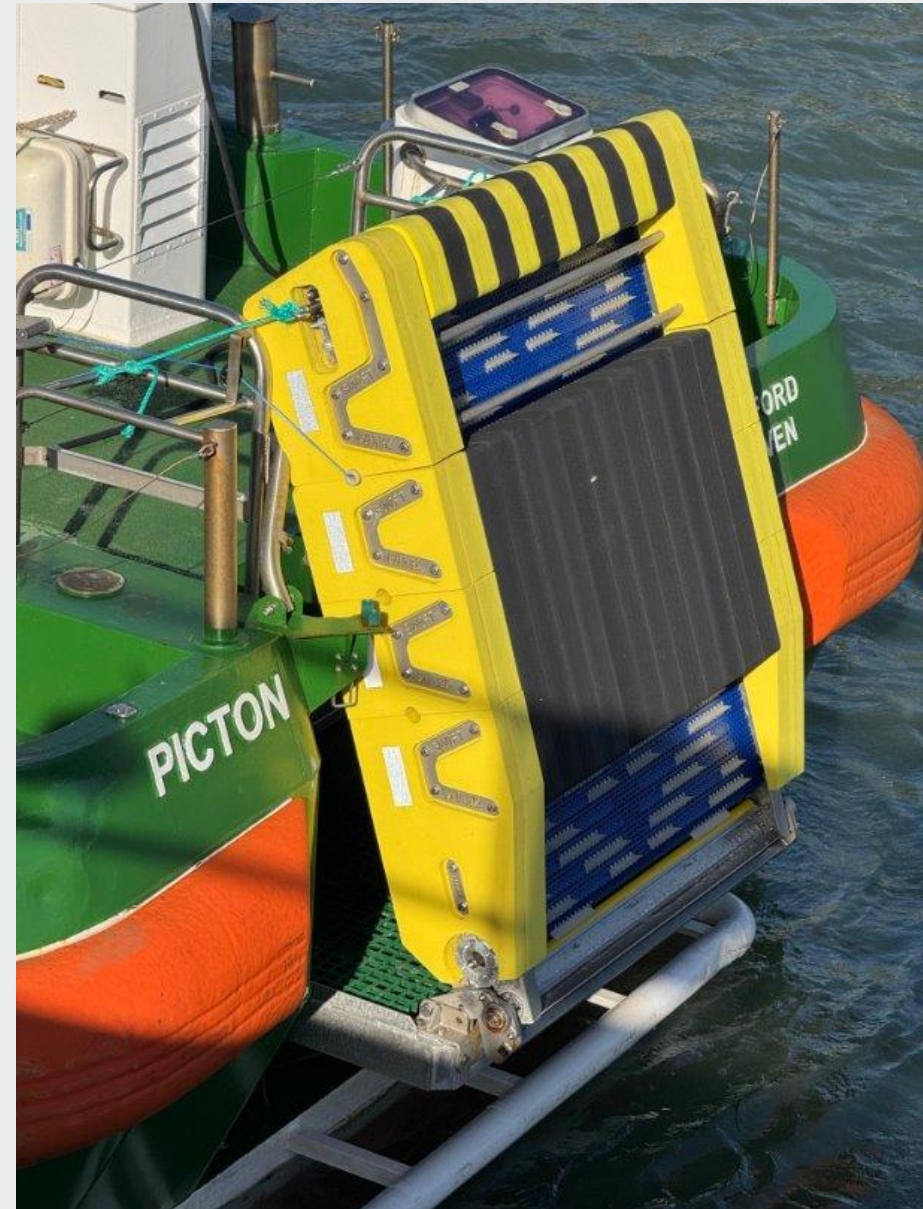
## SUPPORTING EMERGENCY PREPAREDNESS & TRANSPORT OPERATIONS (ISPO CODE 9.1 & 9.2)

- **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





ZELIM, TRAFALSDAY, 1



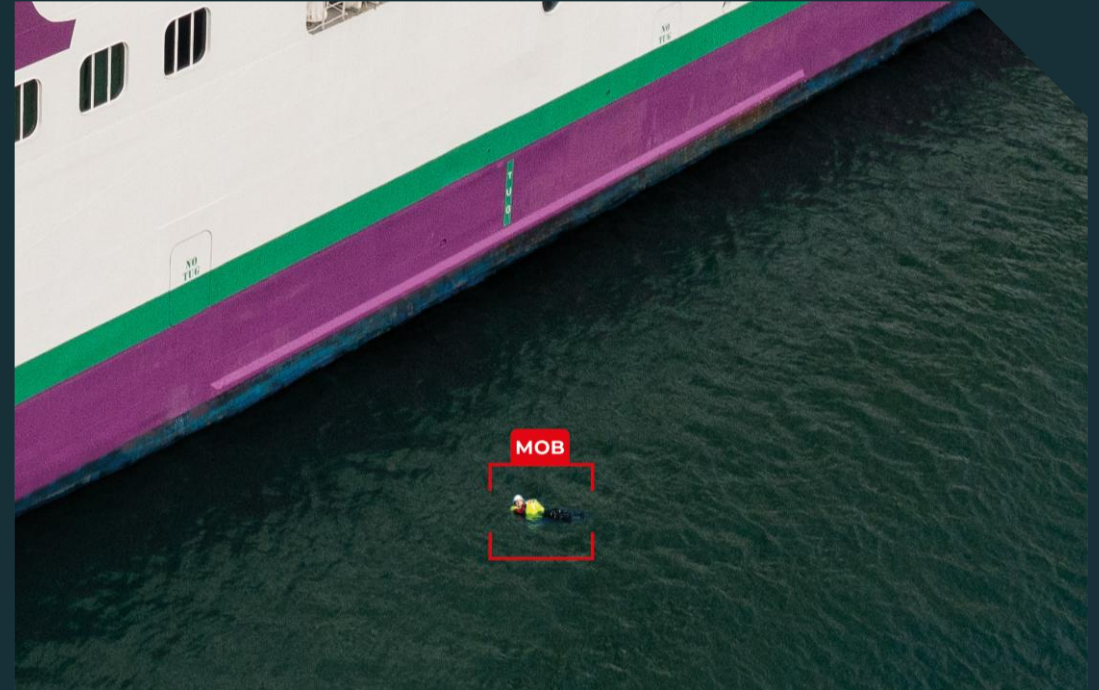


# ZOE MOB

## 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**



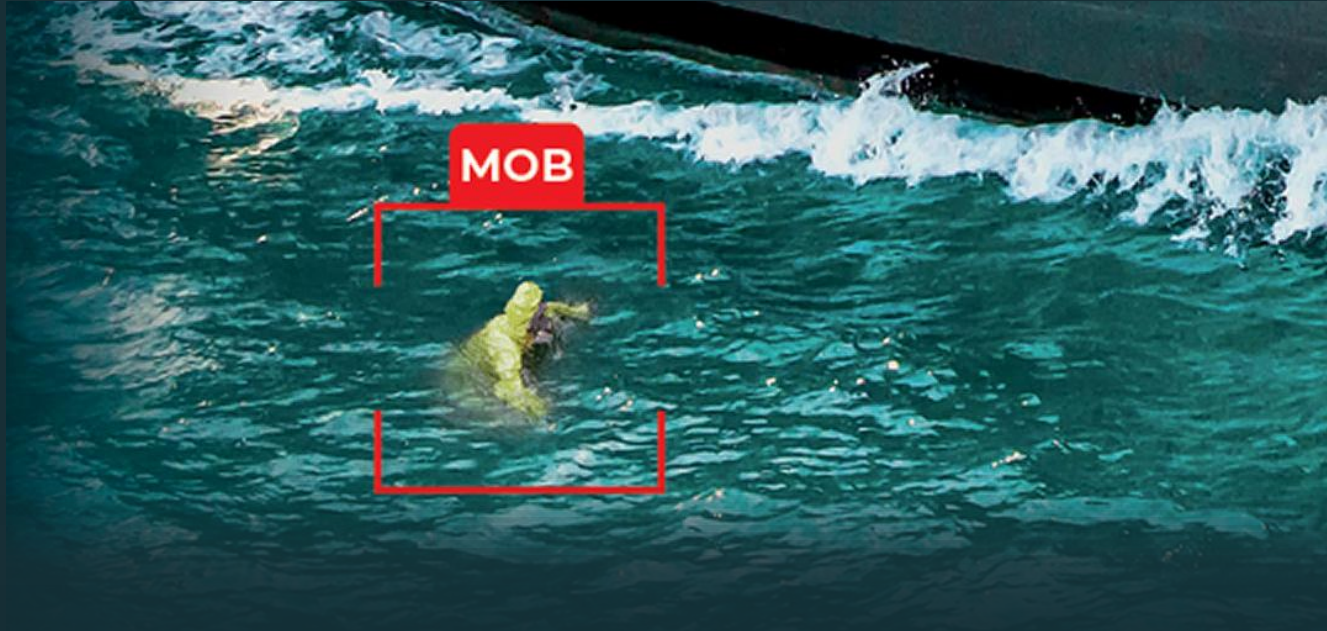
**Delivers detection  
and tracking in the  
harshest offshore  
environments**







**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 <b>scanning the sea surface</b> .
	<b>Extreme weather and sea spray</b> drastically reduce visibility, making it easy to miss hazards or people in the water
	<b>Radar/AIS systems miss low-signature objects</b> , such as unmanned surface vessels (USVs), RIBs or persons in water
	80% of deaths in the water occur in the <b>first 30 minutes</b> .

## ZOE: Overcoming key challenges & providing significant benefits

	<b>Automatic detection, tracking and alerting</b> of persons in the water.		Not affected by <b>distraction fatigue, or workload</b> .
	Human searcher proven to be less than 20% effective. ZOE achieves <b>&gt;95% detection accuracy</b> .		<b>Reduces crew workload</b> and improves decision-making in high-pressure environments.
	Instantaneous detection <b>saves valuable time</b> during search and rescue.		<b>Detections are logged</b> with time and location stamps and <b>stored indefinitely</b> .
	<b>Performs in bad weather</b> , including through fog, sea spray, and darkness.		Defined event <b>action plan</b> for users in emergencies.



THANK YOU



**JOHN ARNOLD**

John.Arnold@zelim.com

Castle Terrace, Edinburgh, EH1 2EL  
**www.zelim.com**

