



**ZELIM**

TECHNOLOGY INTRODUCTION

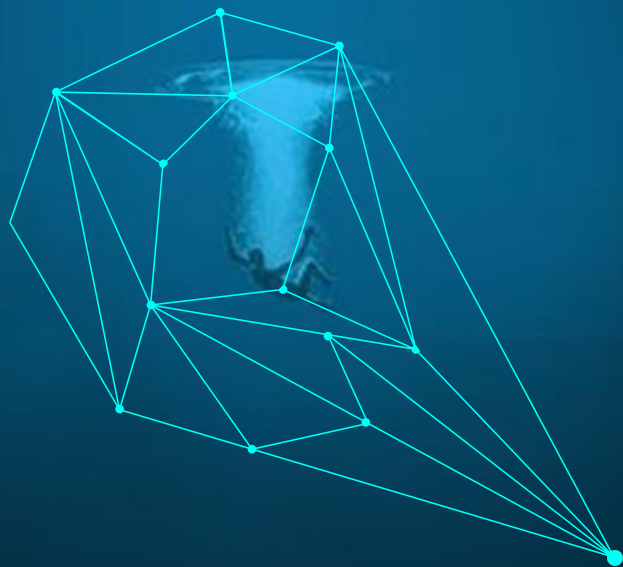
# OUR VISION

We are here to make sure there is a return journey for everyone who has to go offshore.

OUR PRIORITY IS SAVING LIVES AT SEA.

We believe mariners should no longer be required to risk their lives to save others.





## THE MAN OVERBOARD PROBLEM

AS SOON AS SOMEONE ENTERS THE  
WATER THE CLOCK IS TICKING

# HUMAN IMPACT AND RISK AS LIMITING FACTOR



“IN THE LAST TEN YEARS GLOBALLY, THERE HAVE BEEN 60 SEAFARER FATALITIES AND 145 SERIOUS INJURIES FROM TESTING LIFEBOATS ALONE. THIS IS UNACCEPTABLE”

Guy Platten, CEO, UK Chamber of Shipping

Please follow this link for a 2 minute introductory video to Zelim

**ZELIM**



# SOLUTIONS

- FIND
- RECOVER
- PROTECT

# HOW CAN YOU RESCUE SOMEONE QUICKLY WITHOUT PUTTING PEOPLE IN HARM'S WAY?

## FIND



### SARBOX DETECTION

Our eyes in the storm, providing real-time AI enabled casualty detection

## RECOVER



### SWIFT RECOVERY

Retrofit man overboard recovery solution for workboats

## PROTECT



### UNMANNED RESCUE VESSELS

Next generation rescue vessel's

The human  
eye is  
limited

Finding  
someone in  
the ocean is  
a game of  
chance.

TIME IS  
EVERYTHING

## SARBOX

REAL-TIME AI ENABLED AUTOMATIC  
CASUALTY OVERBOARD DETECTION

Patent pending fusion of thermal and  
visual sensor inputs to detect in all  
conditions, night or day storm or fog

OUR EYES IN THE STORM  
mounted on quayside, ships  
bridge, vessel mast or drone to  
support search and detection





# SARBOX EARLY DEMONSTRATIONS



**SARbox model run on 3<sup>rd</sup> Party Rescue Footage**

Ctrl + Click on image to watch demo video



**SARbox beach trial using own footage**

Ctrl + Click on image to watch demo video

LAUNCHING 2023

# SARBOX PROJECT SANCHO MCA DEMONSTRATION



GUARDIAN

SURVIVOR

[WATCH VIDEO](#)

# SWIFT RESCUE CONVEYOR

## INCREASING SAFETY FOR CTV OPERATIONS

### STATE OF THE ART

- Deployment can be difficult
- Recovery can be arduous
- Slow to recover multiple casualties
- Casualties often required to assist in their own rescue

### SWIFT

- Fast, smooth MoB recovery in less than 10 seconds
- Simple to deploy and operable by a single person
- Recovers conscious or unconscious casualties
- Simple retrofit
- Mass casualty recovery capability for major incidents



SB SLING



JASONS CRADLE

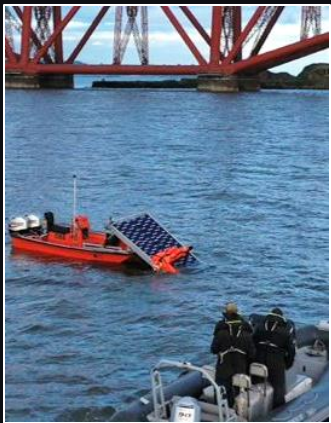


SWIFT

# SWIFT

## JOURNEY SO FAR

TRL 5



Mannequin trials on unmanned rigid raider vessel 2020

TRL 6



Independent human trials August 2021 [video of human trials](#)



TRL 8



Final design and independent test complete Dec 21  
[Video of Final Trials](#)



TRL 9



Rough weather offshore testing  
45 knot winds and 3m waves

[Video of rough weather trials](#)

PRODUCT LAUNCH

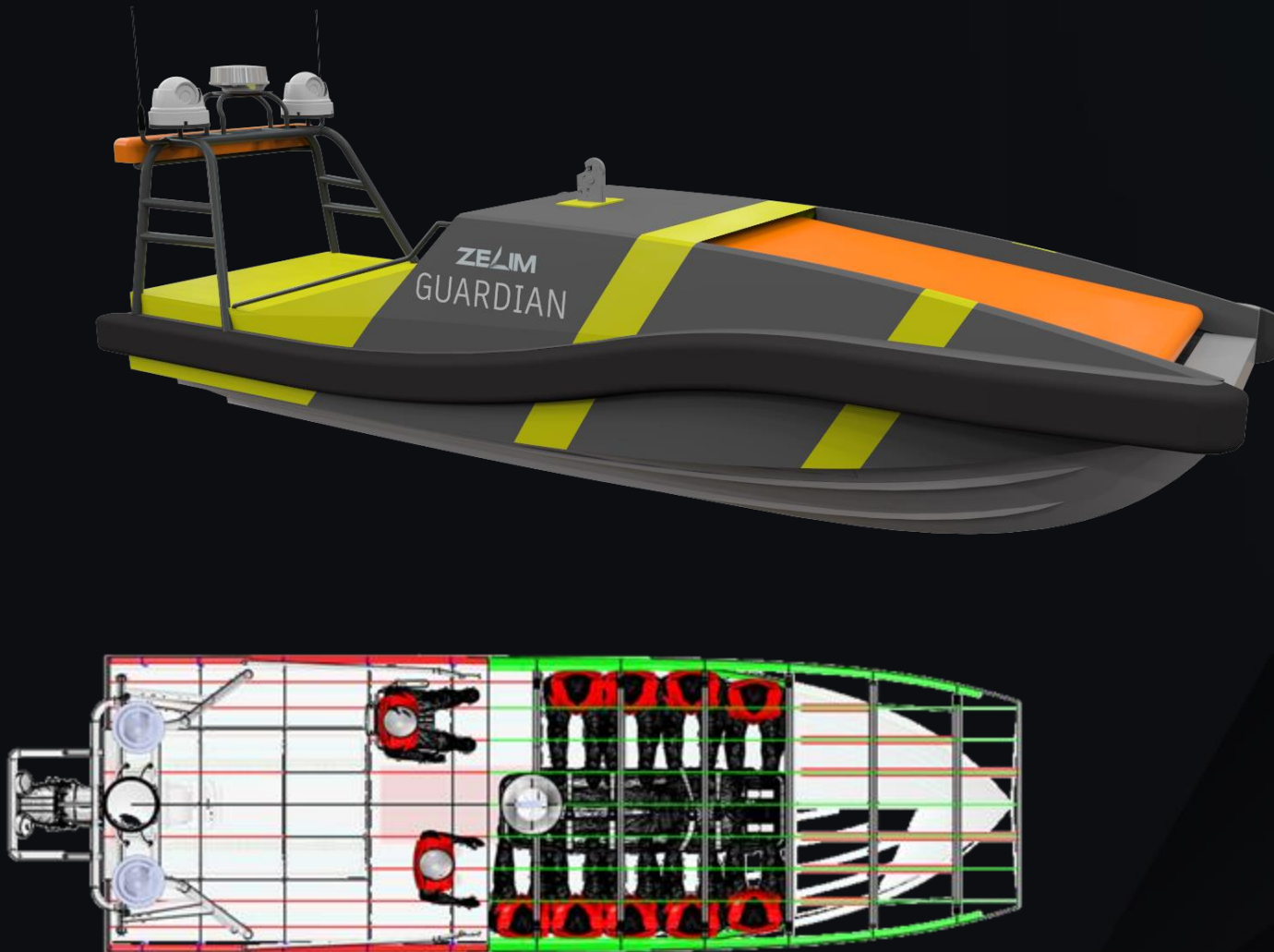


Live human casualty recovery demonstrations at Seawork

[Video of product launch](#)

# THE GUARDIAN: NEXT GENERATION FRC

## SAFER AND MORE EFFICIENT VESSEL OPERATIONS



	Guardian	Standard Fast Rescue Craft (FRC)
Crew	or	
Risk		
Launch	Instant	15 mins
Transit speed	35 knots	Limited by sea state impact on crew
Operational Limit	Very rough (SS6)	Risk to crew
Training	or	
Close Standby Capability	Fuel Load as limit	4 hrs. due to H&S of crew



**ZELIM**

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