

PROTECT

GUARDIAN

ZELIM



UNMANNED RECOVERY VESSEL (URV)

GUARDIAN Removes operational constraints of onboard crew, such as sea state and fatigue, to provide an enhanced rescue/recovery capability. Guardian is a remotely operated fast rescue/recovery craft capable of unmanned recovery of personnel and equipment. Equipped with Zelim's patented Swift rescue conveyor and ZOE intelligent detection, the vessel can perform multiple roles including search, patrol, standby and recovery.



USE CASES



Person In Water (PIW) recovery

Instantaneous launch capability from mothership or shoreside location minimising transit and rescue time, increasing chance of survival



Security and threat detection

Fitted with ZOE, GUARDIAN can patrol an area, follow an asset, or be sent to investigate, without putting the human into harm's way and removing the issue of crew onboard time restrictions.



Search optimisation

Deployed on a search pattern with automatic PIW or other object detection to increase search, surveillance and patrol capabilities.



Conventional roles

Designed to fit into existing fast rescue craft cradles, GUARDIAN can conduct all the principal functions of FRC/daughter craft, in either manned, remote or autonomous modes, as well as all those above.

BENEFITS

- Removes the danger to life in all maritime operations
- Increased operational envelope compared with traditional FRC
- Remotely operated or single-handed PIW and equipment recovery
- Removes onboard crew limitations such as fatigue, seasickness and risk
- Option to operate fully crewed, single-handed or uncrewed
- Enhanced situational awareness with ZOE intelligent detection onboard
- Rapid, hassle free recovery of PIW and equipment with Zelim Swift
- Fits into the same footprint as conventional fast rescue craft
- Rightable in case of capsizing
- Integrates with ZOE Intelligent Detection system fitted onto mothership/ground station
- Autonomous loiter capability to provide close standby support
- Protected treatment area for casualties onboard

[WATCH THE VIDEO](#)

FIND - RECOVER - PROTECT

GUARDIAN



GUARDIAN utilises the Zelim technology suite to FIND, RECOVER, PROTECT. With ZOE Intelligent Detection onboard providing situational awareness and an enhanced search capability for safe and effective remote operation. The integrated Swift rescue conveyor provides the means of rapid unmanned recovery of both equipment and personnel.

Vessel specs in the table below are for our concept vessel. A lightweight production FRC (Fast Rescue Craft) is in development, speak to a member of the team to find out more.

SPECIFICATIONS

Length – overall	8.4 m
Length – water line	6.7 m
Beam	2.5 m
Propulsion	Bukh VGT SOLAS 400 HP Diesel Alamarin AJ285 waterjet
Crew	2 or unmanned
Pax	6
Speed	30+ knots dependent on sea state
Hull	Aluminium
Autonomy	ZOE Intelligent Detection, plus Sea Machines SM 200 and 300 fitted for remote and autonomous
Recovery method	SWIFT recovery conveyor fitted
Fendering	Inflatable fendering
Power plant	24 V
Launch	LARS Davit

APPROVALS

- MCA Workboat Code
- Lloyds Register Type Approval ISO 19898 for Rescue Conveyor

CONTACT US

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FIND – RECOVER – PROTECT