



USV®

Unmanned. Unseen.
Unstoppable.

Unmanned
Surface Vessel



Stingray Tec

Military Precision. Tactical Agility.

We engineer mission-ready systems that strengthen command, safeguard sovereignty, and empower defence forces across every domain.

Stingray Tec is a trusted technology partner to armed forces. With over two decades of experience across land, air, sea, and cyber, we develop state-of-the-art systems that enhance situational awareness, accelerate decision-making, and deliver operational superiority in high-stakes environments.

Our legacy builds upon resilient defence platforms, intelligent command systems, and integrated weapon solutions — engineered for precision, reliability, and control.



Control the Unmanned, Command the Unseen.

USV — UNMANNED SURFACE VESSEL

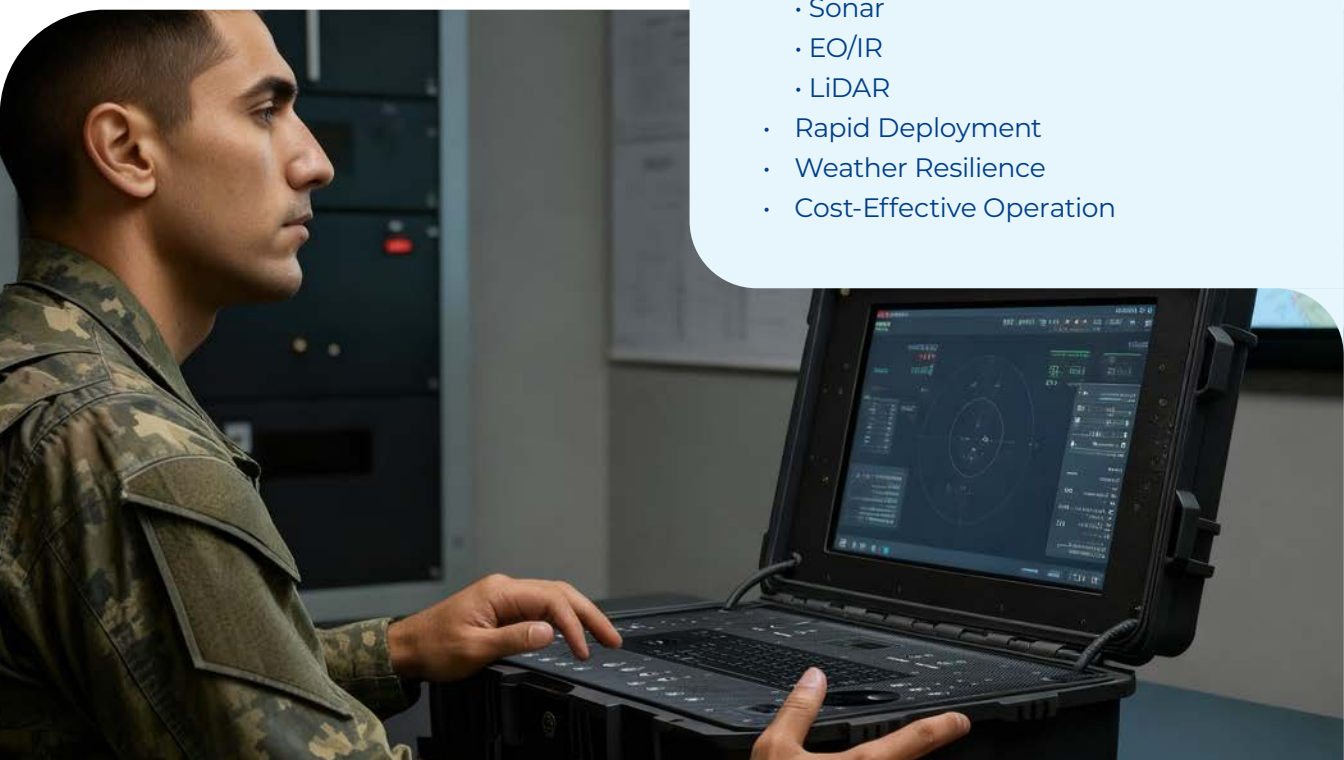
USVs represent the evolution in maritime surveillance and warfare, delivering autonomous reconnaissance and precision-strike capability without onboard personnel. Compact, connected, and mission-adaptable, they execute complex operations rapidly while minimising risk and manpower requirements.

Engineered for endurance and rapid deployment, USVs extend operational reach and situational awareness, empowering commanders with scalable, secure control and transforming intelligence gathering, force projection, and maritime dominance.

Integrating USVs into existing fleets enhances capability by enabling persistent surveillance, reducing personnel risk, extending operational range, and delivering cost-effective autonomous maritime solutions in complex environments.

KEY CAPABILITIES

- Autonomous Navigation
- Remote Control & Monitoring
- Modular Payload Design
- High Endurance
- High-Resolution Sensors
 - Radar
 - Sonar
 - EO/IR
 - LiDAR
- Rapid Deployment
- Weather Resilience
- Cost-Effective Operation



GROUND CONTROL STATION (GCS)

The Ground Control Station (GCS) is the central command hub for USVs, enabling operators to plan missions, monitor performance, and execute control operations in real time. Featuring an intuitive interface and secure communication links, the GCS ensures seamless coordination between multiple USVs and command networks — providing commanders with total visibility and control.

Its advanced integration delivers precise situational awareness, mission adaptability, and efficient decision-making for superior maritime command.

GENERAL FEATURES

- Unmanned Operation with Remote Control Option
- Compact and Mobile Design
- Versatile Mission Support
- Low Maintenance Requirements
- Compliance and Safety Systems



OPERATIONAL INTEGRATION



High-Speed
Data Link



Integrated Sensor
Visualization



Modern
Tactical GUI



Secure Communication
Network



System Health
Monitoring



Efficient Command
and Control

TECHNICAL PARAMETERS

Parameter	Specification
Length (m)	25 ft
Hull Material	Fiber Glass
Propulsion Type	Outboard Engine
Endurance (hours)	4 - 5 hrs
Range (km)	20 – 30 kms
Camera	EO/IR

Every system aboard the USV is designed for synergy, from propulsion to data transmission — ensuring seamless performance across sea, command, and cloud. Reliability, resilience, and real-time awareness define every mission.



HARDWARE COMPONENTS



RADAR

LiDAR

ANTENNA

ECHO SOUNDER

EO/IR

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