SEALS®

The Future of Underwater Command

Submarine Engagement and Attack Logic System

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.

Built for Precision Below the Surface

SEALS

A mission-ready system that integrates acoustic and non-acoustic sensors with Command and Control systems to deliver decisive weapon engagement capability for submarine operations. It compiles a real-time tactical picture, manages tracks, analyses threats, and provides commanders with clear decision support so they can act with confidence in complex contested environments.

A single launching interface for the complete arsenal, SEALS fuses sensor data, secures navigation, automates analysis, and controls weapon engagements, enabling streamlined operations, faster decisions, and lethal accuracy when it matters most.

KEY CAPABILITIES

- Integrated Combat Management System
- Acoustic Sensor Integration
- Non-Acoustic Sensor Integration (ESM, RADAR, SCOPES)
- Navigational Sensors Integration
- Tactical Situation Display
- Track Management (TM) and Target Motion Analysis (TMA)
- Torpedo / Guided Missile Fire Control Systems
- Situational Awareness
- Tactical Scenario Simulation
- Tube Management
- Weapon Selection and Monitoring
- Alarm Warning Information Error (AWIE) Management
- Performance Monitoring and Fault Localisation (PMFL)
- Redundant Operating Modes

GENERAL FEATURES

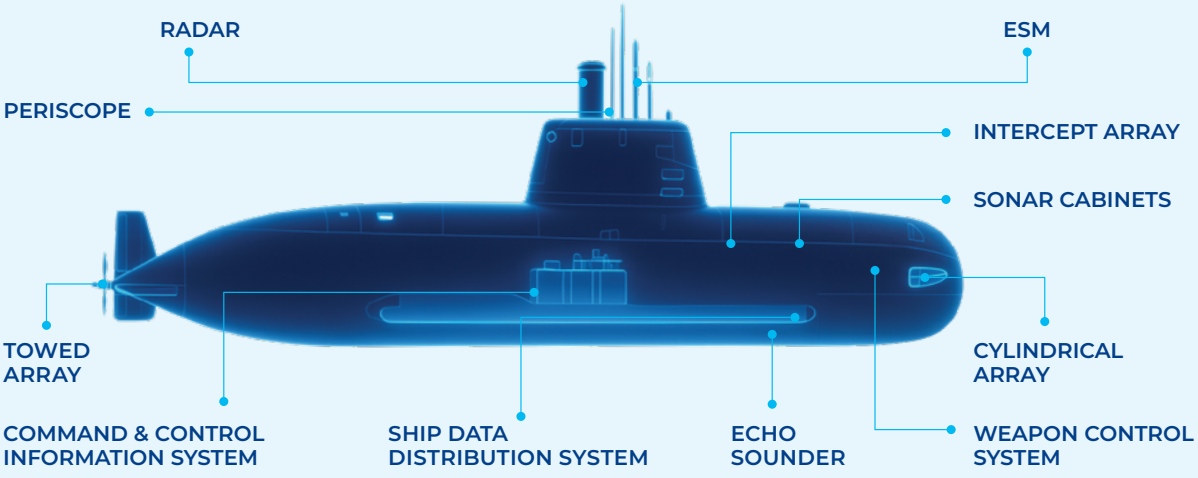
- Modular, scalable hardware and software design
- Distributed, multi-node, multi-processor system configuration
- Tactical network with dual-redundant pathways for resilience
- Multi-role operator consoles supporting varied mission tasks
- Smooth integration with other systems and platforms
- Flexible human-machine interface with advanced automation levels
- High Mean Time Between Failures (MTBF) and Fast Mean Time to Repair (MTTR)

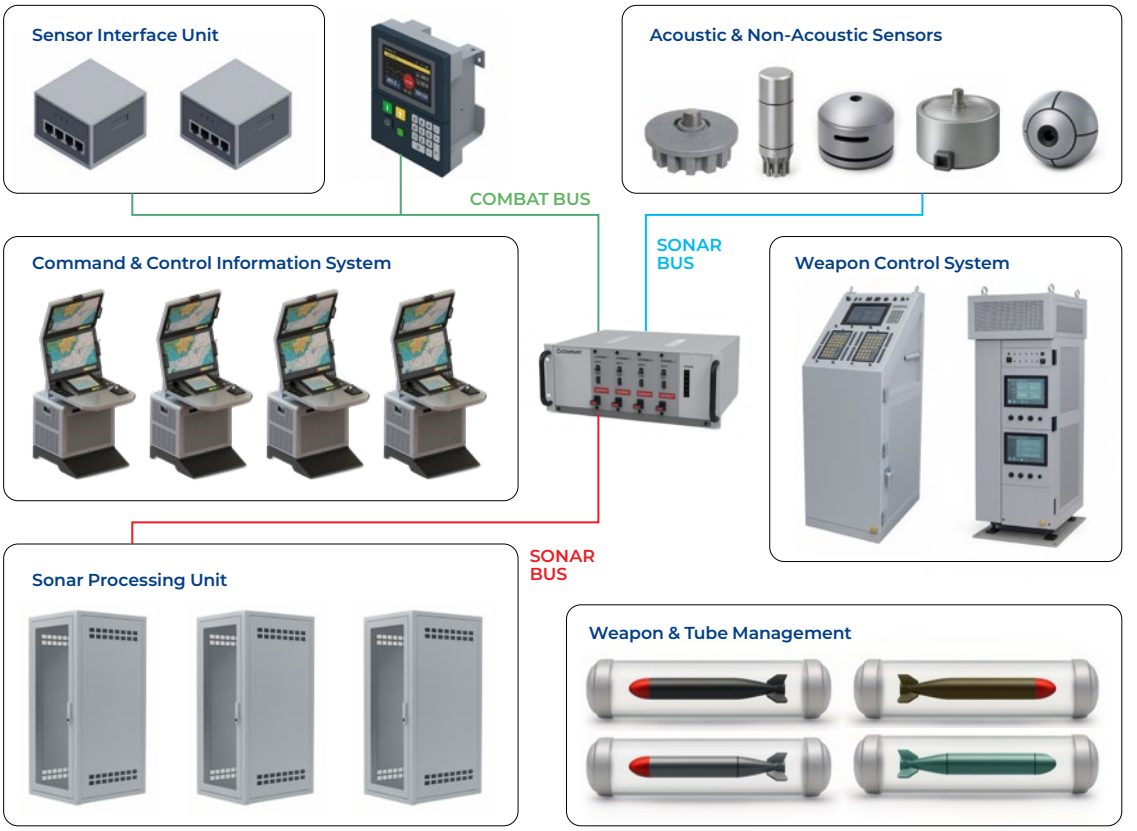
ENHANCED TECHNOLOGY

Stingray Tec's SEALS is an advanced submarine command and control system designed for tactical superiority in complex underwater environments and safe navigation — integrating seamlessly with sonars, sensors, and onboard systems, SEALS processes multi-source data to create a unified tactical picture, enhance situational awareness, support command decisions, and enable precise engagement of surface and subsurface targets.

SENSOR & WEAPON INTEGRATION

- Collects, correlates and visualises data from onboard sensors and external networks
- Facilitates fast threat assessment and target prioritisation
- Supports MIL-STD-2525C/D and STANAG 4420 symbology standards
- Single-launch control for complete arsenal
- Flexible architecture for future weapon and sensor integration
- Provides unified control over all tactical subsystems





HARDWARE COMPONENTS

- Operator and Command Consoles
- Redundant Power Distribution Units
- Data Processing and Distribution Cabinets
- Sensor Interface Units
- Captain Terminal
- Remote Display Unit
- Fire Control Systems
- Local Firing Panel
- Local Tube Controller & Forward Weapon Control Cabinet

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