



LOW-SIGNATURE
MULTI-ROLE
USV

Autonomous. Adaptable. Mission Ready

SQ13 is a four-metre electric USV developed for reconnaissance and monitoring in littoral environments. Its low acoustic, visual and thermal signature supports covert loitering close to hostile shorelines, infrastructure and high-value naval assets. Offering a high payload capacity with autonomous control and resilient communications, SQ13 supports ISR, harbour defence, MCM, force protection and specialist survey missions with a low logistics footprint.

COVERT PERSISTENCE

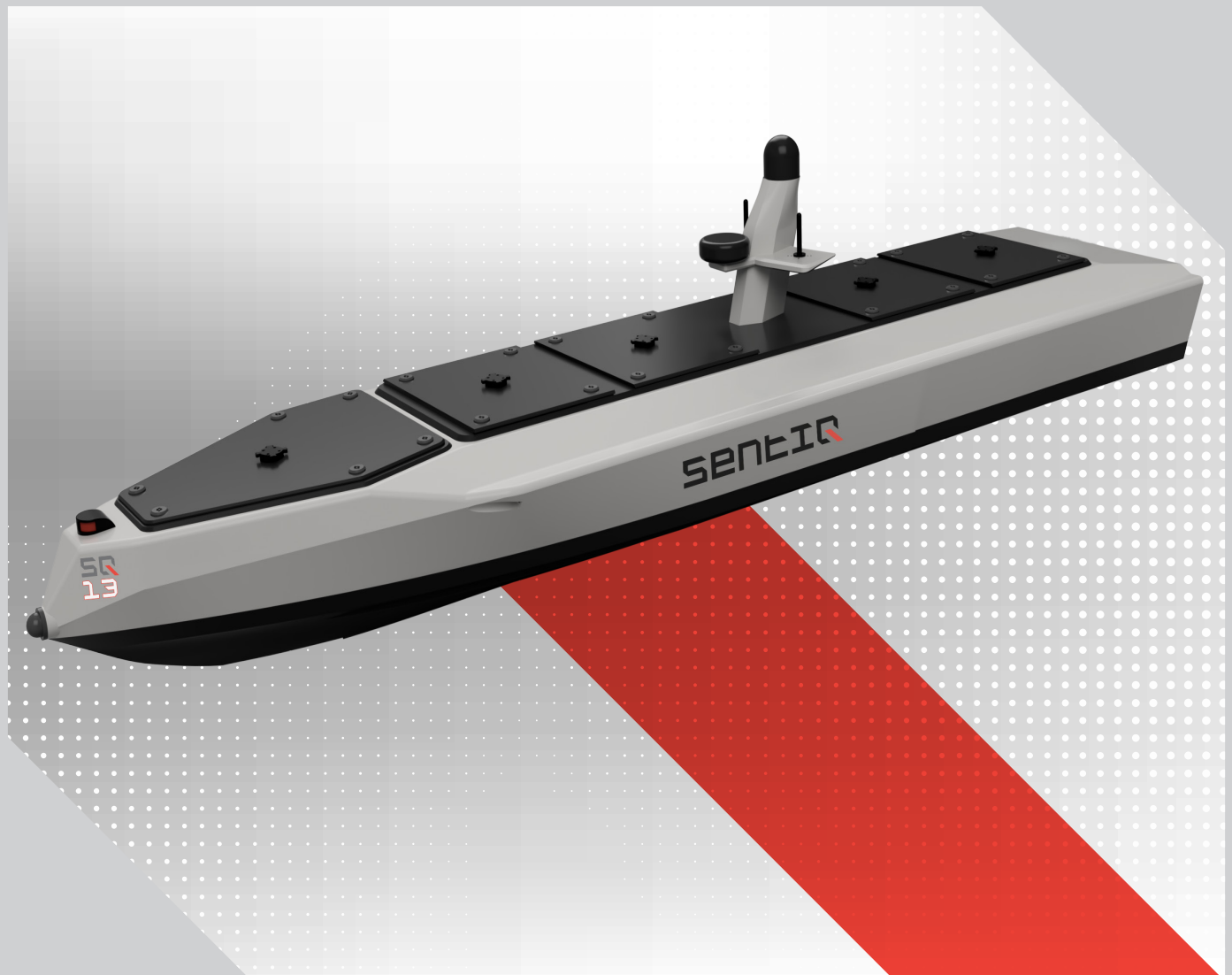
Loiter close to hostile shorelines—naval assets and critical national infrastructure with an ultra-low acoustic and thermal signature.

FLEXIBLE PAYLOAD

Integrate up to 200 kg of electro-optical, acoustic, survey or subsurface sensor payloads within a modular architecture.

FORWARD DEPLOYABLE

Launch from raiding craft, aircraft, forward operating base or the shoreline to establish capability wherever the mission demands.





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SQ13 SPECIFICATIONS

Physical / Performance

Length / Beam / Height	4000 mm x 1100 mm x 500 mm (without sensors)
Weight	230 kg (without batteries, customer payload)
Propulsion / Thrust	2 x propriatary electric drives - 5 kW each
Speed	Up to 15 knots burst, 5 knots typical for survey
Endurance	Up to 12 hours in standard configuration

Payload / Perception

Capacity	200 kg
Camera	Multi-spectral camera, ISR camera
Sonar	R3 Vox, R2Sonic, GeoAcoustics
Quick change payload mount	Yes (proprietary, universal adapter design)
Sensor winch	Yes (proprietary design)

Navigation

Type	GNSS and SBG Eclipse
Optional	RTK-GNSS for precise positioning; DVL-aided INS

Communications

Cellular	Dual Sim 4G
Radio	DTC BluSDR 30, max. 15 km; or DTC BluSDR 90, max. 30 km
Satellite	Starlink

Electrical

Battery type	Lithium Polymer (continuously charged by drive train)
Capacity	250 Wh per pack

Software and Control

Modes	Manual, semi-autonomous and fully autonomous
Features	Return to home; line planning via rugged tablet
Optional	Self-integration package

MISSION ADVANTAGES

Reducing Risk

SQ13 allows commanders to maintain surveillance close to areas of interest without risking personnel or high-value crewed platforms. Quiet electric propulsion and reduced visual and thermal signatures support extended loitering for ISR, harbour defence and force protection missions in unknown or sensitive littoral environments.

Configure for the Mission

A modular payload architecture and impressive 200 kg capacity support electro-optical, thermal, acoustic and tactical underwater sensor suites. Universal sonar mounting and a dedicated instrument winch allow rapid reconfiguration for persistent monitoring, high-resolution survey, MCM support and AUV/ ROV / diver tracking and communications.

Autonomous and Connected

Manual, semi-autonomous and fully autonomous modes support missions from operator-led recon to sustained unmanned patrol. Resilient IP marine radio, cellular and optional satellite communications connect SQ13 into wider command networks, while precision INS/DVL options support operation in navigation-denied environments.

Command your space

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