

LIQUID ROBOTICS

instrument the ocean



ANTI-SUBMARINE WARFARE

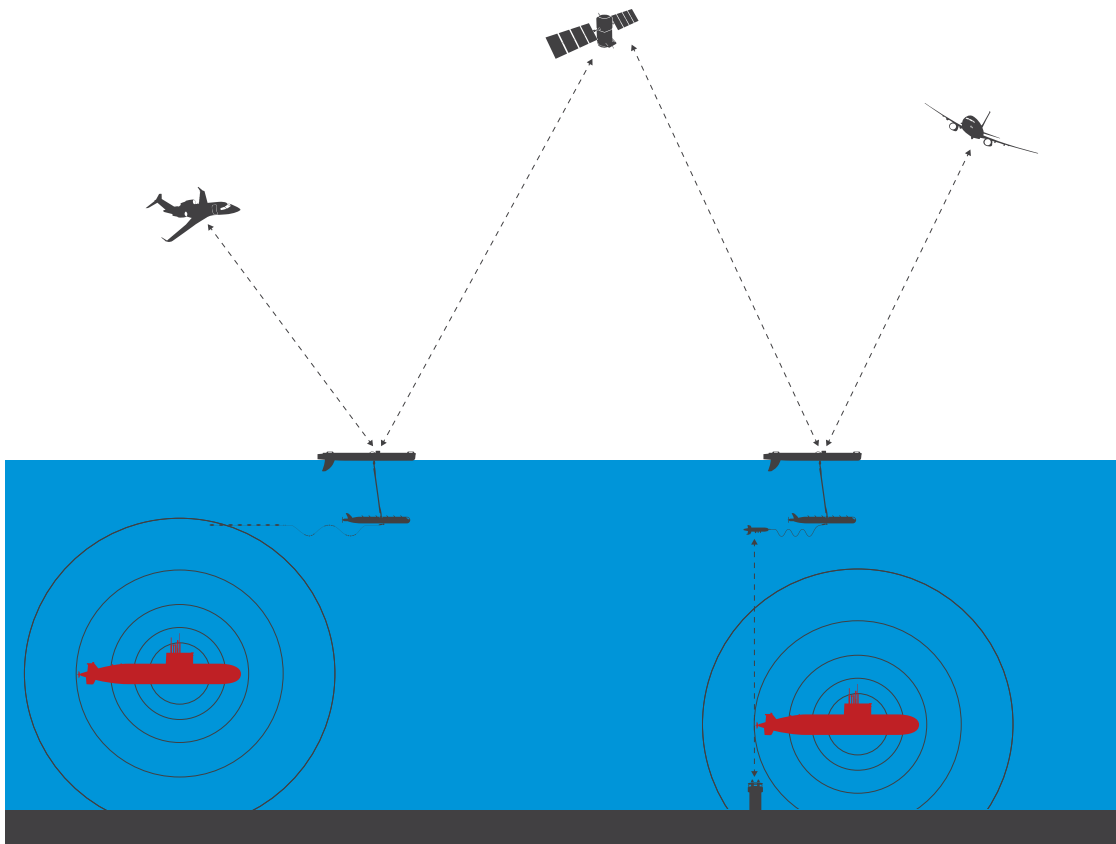
Anti-submarine warfare remains the linchpin of sea control. Despite considerable spending, many navies are unprepared to address 21st century submarine threats that go beyond deep-water conflicts.

Initial detection, always the most challenging aspect to ASW, is more complex than ever. And pressured defense budgets are requiring forces to do more with less.

A NEW APPROACH TO ASW

We offer a revolutionary solution that solves the challenges of initial detection and maximizes the return on ASW budgets. Wave Gliders provide coverage of both littoral and deep-water environments.

- Long duration, persistent acoustic surveillance
- Tipping & cueing of manned assets
- Improved protection and stand-off range
- Seamless detection and response
- Improved costs and detection probability



CONCEPT OF OPERATIONS

Concept 1. Wave Gliders equipped with towed passive-acoustic arrays are deployed in order to detect submarine activity.

Concept 2. Wave Gliders towing acoustic comms links provide a seafloor-to-space communications gateway for seabed node detection of submarines

Data gathered from towed arrays or comms nodes is relayed to other mission assets, including satellites, aircraft and vessels.

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