
PROTEUS
MARITIME



Our technology creates an "Underwater WiFi" connecting data with decision makers to generate a scalable, wireless local area networks of secure underwater connectivity

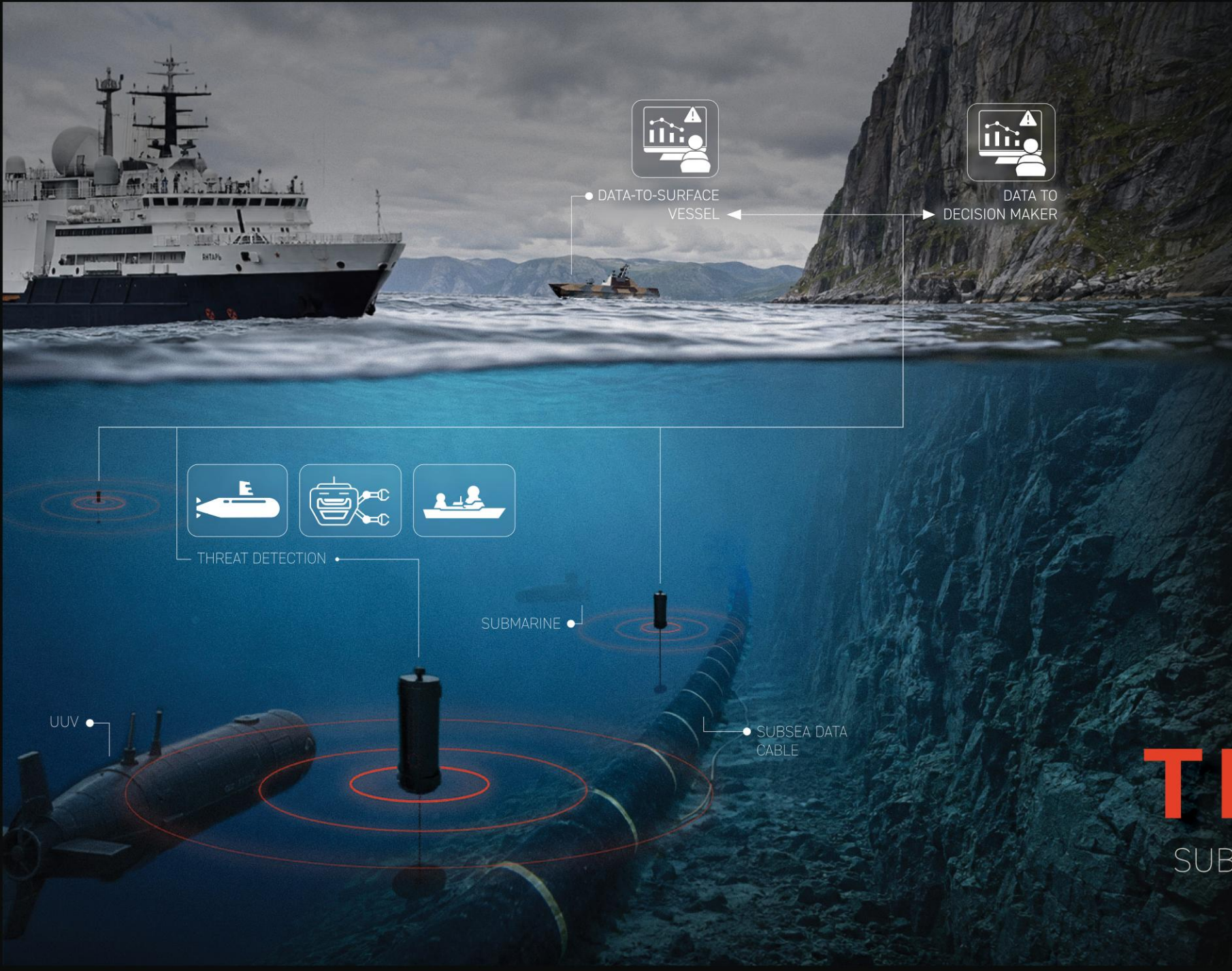
PROTEUS MARITIME

Proteus Maritime is an Australian veteran-owned company, applying decades of national security expertise to deliver Tripwire to the Australian Defence market.

We specialise in subsea acoustic mesh networking, delivering near real-time situational awareness beneath the waves.

Most subsea situational awareness solutions rely on UUVs, optical communications, or cabled infrastructure — each with real limitations:

- UUVs — can't loiter or persist, and struggle to achieve mass
- Optical communication — falls short on the range required
- Cabled infrastructure — vulnerable to sabotage, costly, & inflexible to deploy
- Traditional acoustic modems — point-to-point only, with limited range,
- reliability, and resilience



DEFENSE & NATIONAL SECURITY

The maritime domain is increasingly contested, demanding new solutions for persistent surveillance and rapid response. Tripwire gives governments a persistent maritime domain awareness capability — resilient to sabotage, difficult to detect or bypass, and able to relay critical information to shore command or fleet assets in near-real time. Once deployed, it continuously monitors key maritime corridors, chokepoints, shipping lanes, and other areas of strategic interest.

THE TRIPWIRE ADVANTAGE

With a persistent network established at scale, threats can neither bypass nor sabotage the system undetected. Aircraft and patrol boats are freed to hold at depth, queued to respond only when and where they're needed — turning a reactive posture into a targeted one.

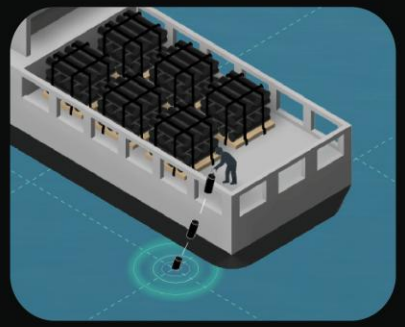
TRIPWIRE

SUBSEA COMMUNICATION NETWORK

TRIPWIRE

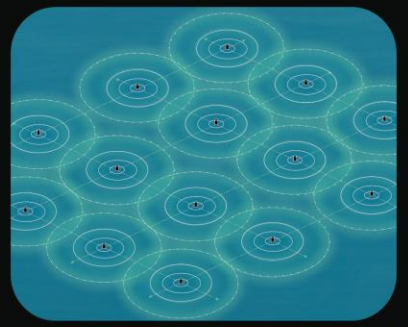
SUBSEA COMMUNICATIONS

01
DEPLOY



Nodes are rapidly and easily deployed by small teams, vessels, or autonomous systems to a fixed position on the seafloor.

02
CONNECT



Once in place, nodes link into a secure, persistant, long-range network — with 16 nodes in standard formation, covering 625km².

03
SCALE



Multiple networks combine to cover thousands of square kilometers of seafloor.

Tripwire's price point is designed for rapid scaling, so mass on the seafloor is achievable, not aspirational.

04
DECIDE



Critical data streams back to decision-makers in near-real time — reaching assets on and off the water, right when a response is needed.


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Contact us to learn more
info@ProteusMaritime.com.au