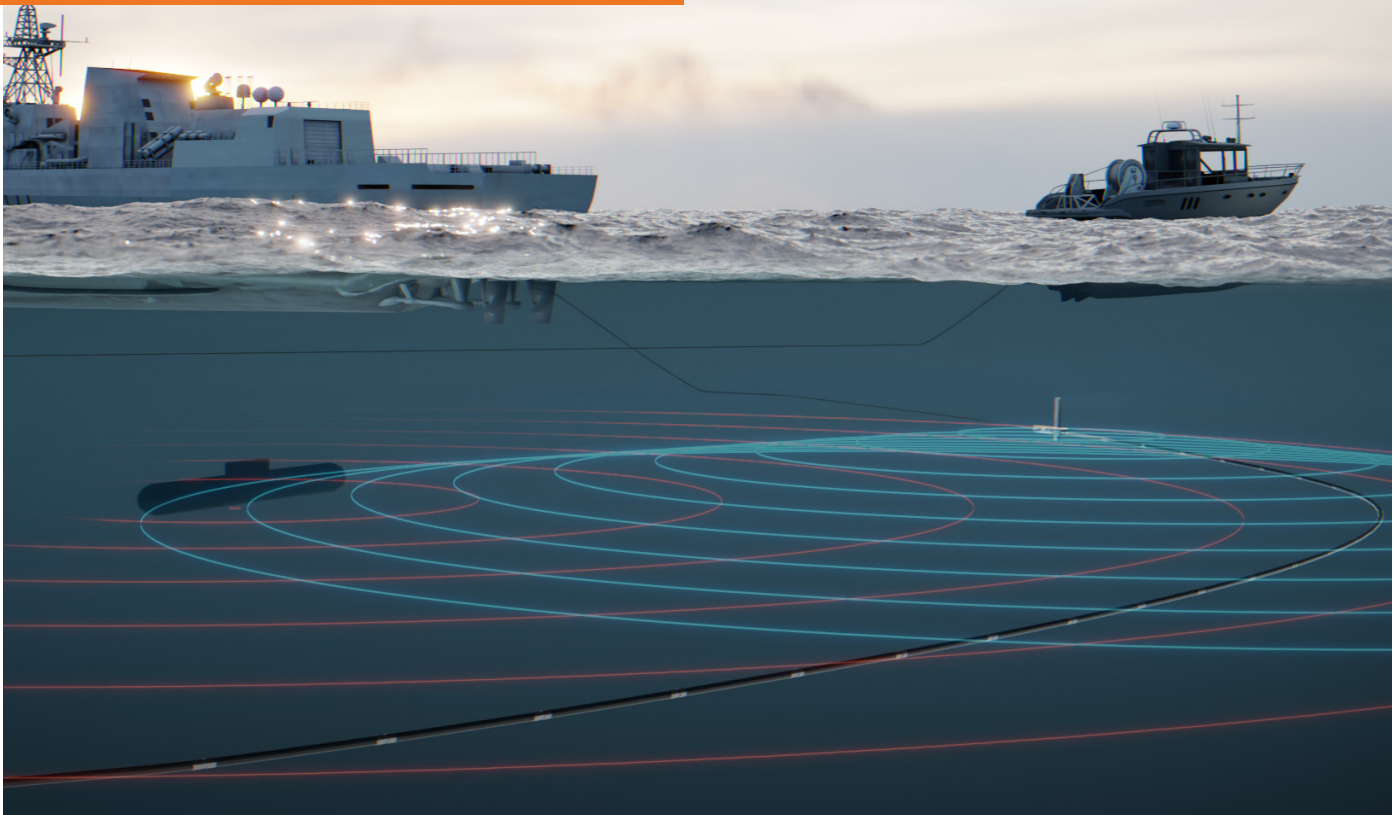


Towed Array Sonar

The longest Underwater Warfare (UWW) sonar detection ranges at the lowest cost, with the lowest risk



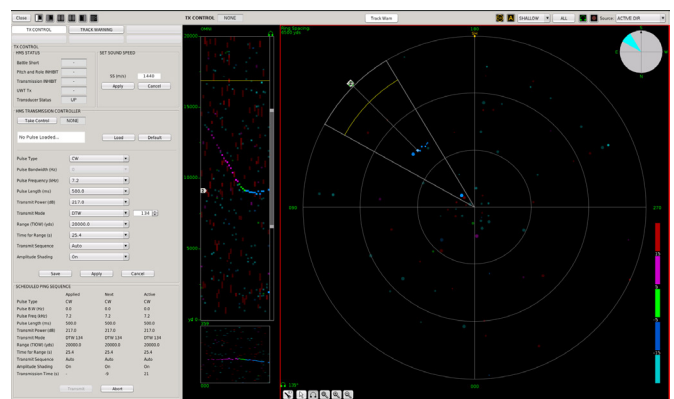
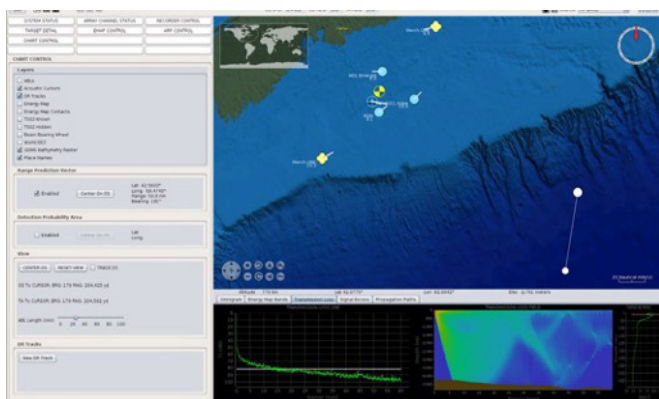
Operational Features

- Compact and lightweight inline towed array system that easily integrates with virtually any ship platform
- Innovative single-tow inline array design requires less space, weight, power for ship fitment; all wet-end components are housed on a single winch drum
- Open architecture software enables integration on existing platforms and new builds
- Operationally flexible and customizable; interchangeable active sonar projector can be changed at-sea, resulting in sonar optimization in both deep water and littoral environments
- Offers state-of-the-art, range independent, underwater acoustic predictions for both passive and active sonar
- Passive receive module offers broad frequency coverage and is ambiguity resolved
- Support multiple pulse types (LFM, HFM, CW)
- Advanced user-friendly sonar processing & display with built-in customizable analysis tools, ARP and MMM
- Simplified launch and recovery procedure
- Offers the vessel greater control of helm and speed compared to most towed body LFA systems

Technical Information



Sonar type	Active/Passive Towed Array Sonar
Installation	Integrated into CMS or stand alone, containerized, and adjunct versions available
Minimum operational depth	10m
Maximum operational depth	225 m (300m)* *Max sensor operating depths can be increased, depends on configuration
Max operational speed	18 knots
Weight	11.5 tonnes
Foot print	13.86 m ²
Max sea state for deploy/recovery	6
Active sonar frequencies	2-10 kHz* *Support multiple active sonar bands with following frequencies: 1.5 kHz, 2.2 kHz, 5 kHz, 10 kHz. Customizable system configuration.
Passive sonar frequencies	5 – 5000 Hz
Adjustable source level	Yes
Detection range	In excess of 2nd CZ Up to 150 km* *Environmental conditions dependent
Transmitting sector	360°
Receive sector	360°
Nominal array diameter	60 mm



The product described here represents a general configuration of this family of products. Specifications are configurable for specific customer requirements. For pricing and availability information, please contact your General Dynamics representative.

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