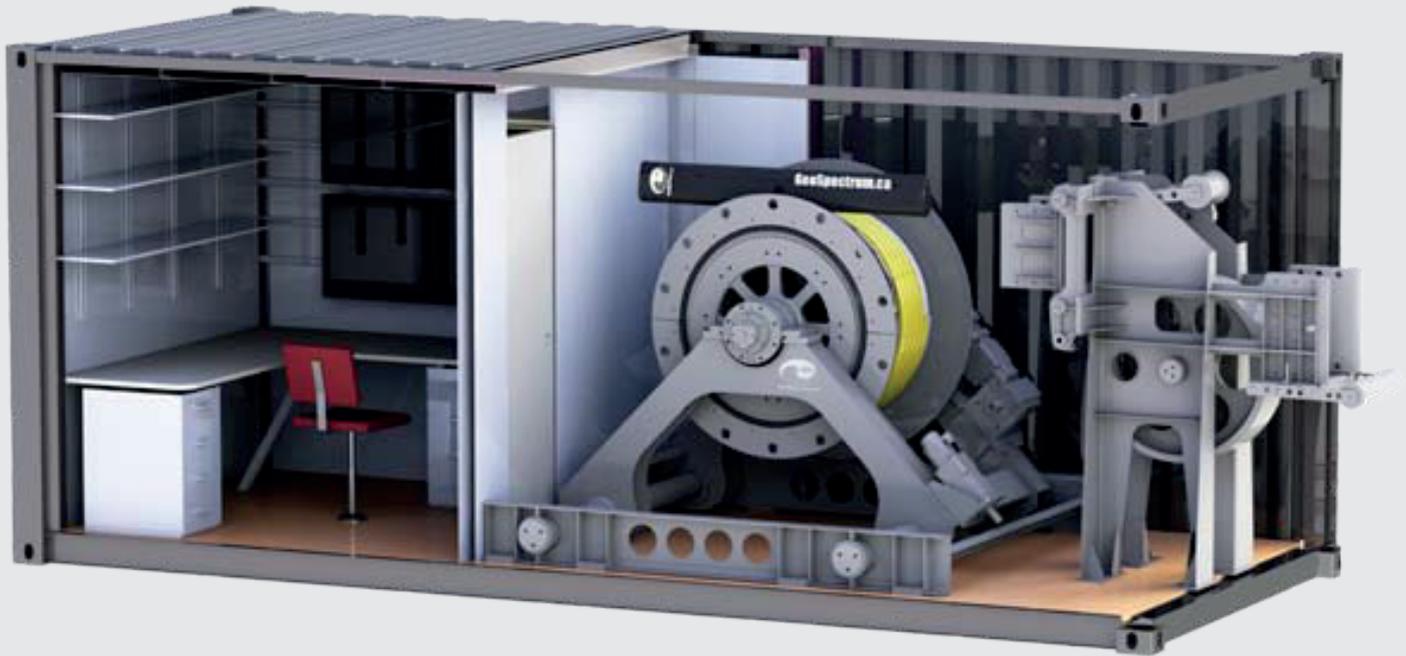


TRAPS

Towed Reelable Active Passive Sonar
Cost-Effective, Compact ASW Capability



Innovative

TRAPS is a compact, open, low-cost active passive variable depth ASW sonar. Modular, cross deckable and highly capable this proven containerised system can be easily hosted on current and future combatants; as well as commercial shipping / ships taken up for trade (STUFT) to detect submarines, torpedoes and other surface ships.

Modular, All-in-One Design

TRAPS incorporates a single tow with a Vertical Projector Array (VPA) and does not require a handling system to deploy, retrieve, and stow. This reduces footprint, weight, and price.

Multi-Mission Capability

TRAPS is ideal for littoral operations and very useful in deep water as part of a multistatic system. The modular design of TRAPS provides a variety of installation options, including containerisation on multi-mission vessels and standard deck-mounting. TRAPS can be used on small combatants such as OPVs, corvettes, ships of opportunity, and USVs. Applications include naval defence surveillance, drug interdiction, homeland security, and other water-borne policing.

TRAPS

Features

- Detection tracking & identification for – submarines, midget submarines, surface ships, marine mammal, optional capabilities – see below
- Variable depth operation
- Real time detection, classification & localisation
- Multi-target tracking
- Left-right ambiguity resolution
- Multi-static capability
- Advanced user-friendly sonar processing & display with built-in analysis tools
- Options
 - Active torpedo detection
 - Blackbox pinger detection
 - Sonobuoy processor

Deployment

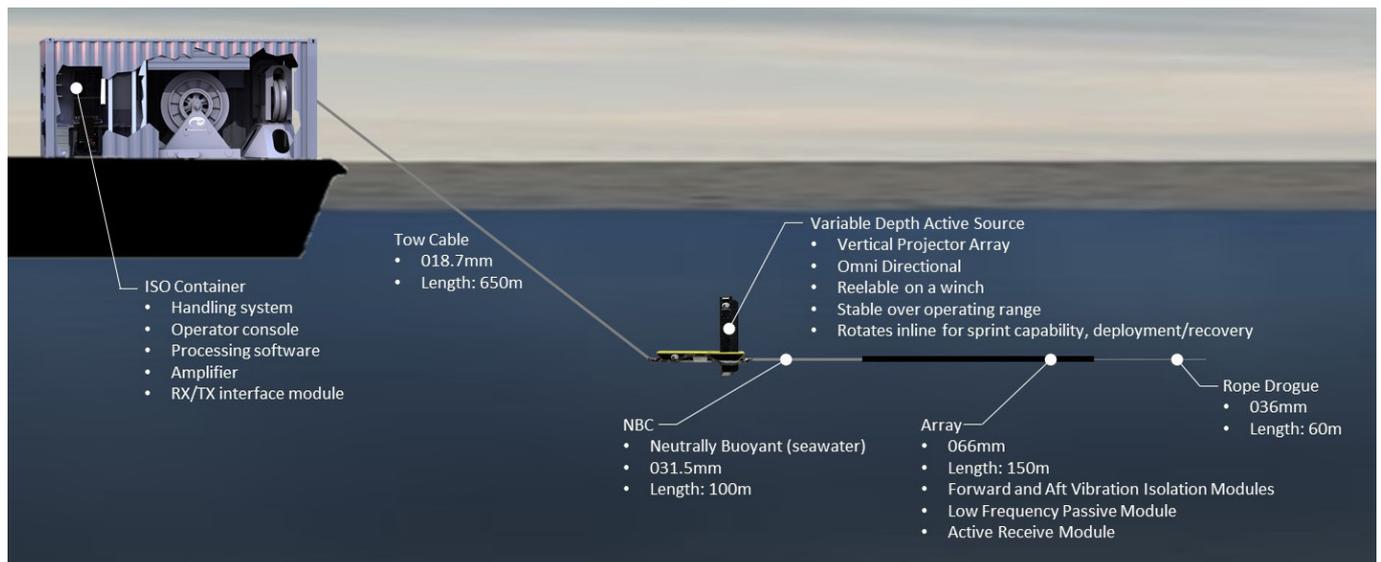
- Flexible compact deployment on Frigates, Corvettes, OPV, patrol boats & USVs
- Standalone, interfaced to CMS, part of underwater suite (hull mounted sonar, sonobuoy, torpedo defense, multistatic)
- Patent Pending reelable vertical source configuration with horizontal beam pattern
- Installed or containerised configuration
- Winch operated system – no need for dedicated launch & recovery system

Specification

Frequency	2 kHz
Source Level	213 dB/1 μ Pa
Transmit	Omni-directional
Receive	Directional Receive Array
Detection Range	Up to 1 CZ Typical (Environment-dependent)
Minimum Operating Depth - Full Power	10 m
Maximum Operating Depth	150 m
Tow Speed	15 kts
Transit / Survival Speed	25 kts
Winch & Fairlead Footprint	2.0 m X 4.2 m X 1.8 m high



Winch & Fairlead Supplied by INDAL Curtiss-Wright



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