



# GeoSpectrum Technologies Inc.

## FOR IMMEDIATE RELEASE

### GEOSPECTRUM AWARDED CONTRACT TO SUPPLY TRAPS VARIABLE DEPTH SONAR TO CANADIAN NAVY

OCTOBER 2016

GeoSpectrum Technologies Inc. is pleased to announce that it has received a contract through the [Build in Canada Innovation Program](#). Defence Research and Development Canada will test the TRAPS (Towed Reelable Active Passive Sonar) variable depth ASW sonar on Royal Canadian Navy ships.

TRAPS is an innovative towed compact, low-cost, active-passive, variable-depth sonar for submarine, torpedo and surface-ship detection. TRAPS' unique operational advantage is an active sound source that operates as a vertical projector array – a smaller version of that used for larger open ocean variable depth sonars - but stows on a winch drum with the receive array and tow cable. Thus, a deployment/recovery system is not required, significantly reducing the size and cost.

TRAPS can be supplied for a permanent ship fit, and can also be housed in a 20 ft ISO container for rapid deployment on multi-mission vessels, providing flexibility and force scaling options not currently available in the market. The vertical projector array sound source produces vertical directivity which is key for optimal source directivity and rapid search.

This inherent benefit of TRAPS meets the defined and growing need for low cost, compact ASW sensor systems that can be fitted to small combatants, offshore patrol vessels, and even militarized commercial vessels and unmanned surface vehicles (USVs).

*“We’re very excited about having the opportunity to test a TRAPS system on a Canadian Navy ship”, said Paul Yeatman, GeoSpectrum’s President. “Through the Build in Canada Innovation Program, the Royal Canadian Navy will be able to test a portable ASW sonar system that can be operated from vessels of opportunity, including our Maritime Coastal Defence Vessels (MCDVs) and the new Arctic Operations Vessel (AOPV). We are looking forward to leveraging this project to access the international market for towed ASW sensors and creating jobs in Canada.”*

#### **About GeoSpectrum Technologies Inc.**

GeoSpectrum is a Dartmouth, Nova Scotia, Canada based supplier of marine acoustic hardware and systems, including active and passive transducers, arrays, and processing software. The company supplies its products to the oil and gas, defence and surveillance, and environmental sectors. [www.geospectrum.ca](http://www.geospectrum.ca)

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#### **About the Build in Canada Innovation Program**

The Build in Canada Innovation Program helps Canadian innovators land their first sale and get their innovations tested by the Government of Canada. If you have an innovation that hasn't hit the market yet, BCIP wants to be the first to buy it and test it.