Department of the Navy SBIR/STTR Transition Program

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Topic # NUWC-1 Autonomous Magnetic Measurement System Naval Undersea Warfare Center Newport

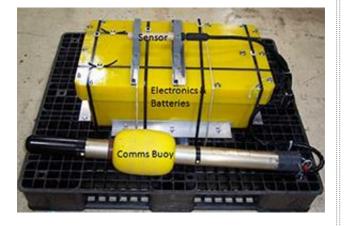
WHO

SYSCOM: NAVSEA
Sponsoring Program:

Transition Target:

TPOC:

Other transition opportunities:



WHAT

Operational Need and Improvement:

Specifications Required:

Technology Developed: A system for autonomous monitoring of AC and DC background magnetic fields associated with power lines, electronic devices, electronic vehicles and the Earth. The system enables the measurement of the natural variability of magnetic fields over specified periods of time within a specified proximity. Components include a series of three axis analog magnetic sensors, a fluxgate compass and a programmable micro-controller. The micro-controller receives data from the sensor and compass and is programmed to detect anomalous magnetic signals having particular characteristics of interest. Protected under U.S. Pat. No. 8,321,161.

Warfighter Value:

WHEN	
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Milestone Risk Level

Measure of Success

Ending TRL

Contract Number: T2-ORTA-NUWC-1

Date

HOW

Projected Business Model:

Company Objectives:

Potential Commercial Applications:

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