

Department of the Navy SBIR/STTR Transition Program

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NAVSEA #

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

Contract Number: T2-ORTA-NUWC-1

Milestone	Risk Level	Measure of Success	Ending TRL	Date
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HOW

Projected Business Model:

Company Objectives:

Potential Commercial Applications:

Contact: Technology Partnerships Office,
NUWC_NPT_TPEO@navy.mil 401-832-8728