

# GENERAL NEWS RELEASE



## **NIMBUS technology selected to participate in the Advanced Naval Technology Exercise (ANTX) 2018!**

Naval Undersea Warfare Center Division, Newport announced in January that Entropy's NIMBUS technology was selected to present in Stennis, Mississippi at the Commander, Naval Meteorology and Oceanography Command during ANTX 2018 the week of August 27-31, 2018.

Created for the U.S. Navy to see the future of naval technology in action today and under the authority of the Partnership Intermediary Agreement between NUWC Division Newport and SENEDIA, the theme for ANTX 2018 is "Human-Machine Optimization and Integrated Targeting in Maritime Environments". Key tasks included identifying science and technologies which can detect, localize, track and/or target undersea assets in littoral environments; 2) human trust in machines to support tactical and operational decisions; 3) wide-area persistent search and 4) technologies for coordination of command and control of heterogeneous and homogeneous group collaboration to provide actionable information.

### **NIMBUS<sup>TM</sup> MAGNETIC ANOMALY PERIMETER (MAP)**

- The NIMBUS<sup>TM</sup> MAP is a modular, self-managing system of fixed and UAV-mounted sensors that utilize the NIMBUS<sup>TM</sup> low-frequency magnetic field sensors and analysis software to establish a flexible, scalable detection perimeter around any fixed or moving water-based asset.
- The NIMBUS<sup>TM</sup> sensor system will utilize magnetic field propagation characteristics that create advantages in the detection of submerged and airborne threats. Mounting of the NIMBUS<sup>TM</sup> sensors on small UAVs allows the sampling of magnetic fields below and above the sea surface boundary. Techniques for using the comparison of both types of magnetic fields may lead to significant advantages in the low-power detection of all unmanned vehicle threats.
- A numerical weather prediction system will provide highly-localized weather forecasting/analysis at the ocean/atmosphere interface to improve situational awareness while the NIMBUS<sup>TM</sup> waveform analysis will allow elimination of false positives from both the EMI background and natural weather events such as lightning.



**About The Company:** Entropy Technology Design is a certified woman-owned software/hardware-driven severe weather and threat detection company. The NIMBUS<sup>TM</sup> proprietary technology platform detects and alerts users in real-time of severe weather, lightning, tornadoes and other threats such as micro UAV (Drone), incoming mortar fire, sandstorms, and tunneling. For more information visit [www.nimbus4.com](http://www.nimbus4.com) or contact us at [info@entropydesigns.com](mailto:info@entropydesigns.com)

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