



NBOSI CTD Sensors for the Global Subsea Market

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Precision and Innovation Underwater: NBOSI Joins the MTR100 Ranking

East Falmouth, Massachusetts, 10 October 2023 - Neil Brown Ocean Sensors (NBOSI) has earned its inclusion for the first time in Marine Technology Reporter's (MTR) prestigious MTR100 awards edition.

MTR is the world's largest audited circulation magazine devoted to the marine technology market, and its MTR100 is an annual showcase of the 100 most dynamic and interesting companies, people, organizations, and technologies in the global subsea market.

Dr Dave Fratantoni, CEO of NBOSI, was delighted with the news, saying, "NBOSI has not pushed its public profile forward particularly hard until recently, with our energies being mainly concentrated on developing the very best semi-custom conductivity/ temperature/ depth (CTD) sensors on the market. NBOSI is meeting a high and increasing demand for compact sensors capable of providing research quality data. Achieving this place on the MTR100 list is a great recognition of both how far we have come and how far we are set to go."

Since its inception in 2005, NBOSI has been at the forefront of designing and supplying CTD sensors to the global subsea market. These sensors cater to the specific needs of autonomous underwater and surface ocean vehicles, serving a wide range of sectors including research, offshore operations, and defense. Valued within these industries for their reliability, precision and ease of calibration, NBOSI's sensors have become a common denominator in underwater vehicle deployments worldwide.

What sets NBOSI apart is its commitment to tailoring its sensors to the exact specifications of a huge variety of surface and subsea vehicles. The company was born out of a shared vision to develop cutting-edge sensor technology that could meet the unique demands of mobile ocean platforms.

As Dave Fratantoni elaborates, NBOSI's super-compact, rugged and hydrodynamically efficient sensors are a technology that the developers of the latest designs in subsea and surface autonomous vehicles are crying out for: "As an industry, and as a society, we have a need for ocean data in huge quantities and at unprecedented quality. Autonomous Underwater Vehicles (AUVs) and Unmanned Surface Vessels (USVs) are getting smaller every year as the industry begins to leverage the efficiencies of multi-vehicle data collection technologies such as swarm deployments. Our systems enable highest-quality environmental data collection and support optimized vehicle performance, precise navigation, and enhanced acoustic payload capabilities for these ever smaller, yet ever more capable vehicles."

NBOSI's CTDs can be seamlessly integrated as either externally-attached modular cabled sensors or directly attached using a variety of custom hull penetrators. Both approaches ensure robust, low-profile installations that minimize drag and the risk of snagging. NBOSI's sensors and their corresponding electronics also allow for convenient off-vehicle calibration throughout the lifetime of the sensor.

NBOSI sensors are deployed on underwater vehicles globally, and offered as standard equipment on leading platforms, including the Hydroid (now Huntington Ingalls Industries) REMUS family and the OceanServer (now L3Harris) IVER vehicles. Notably, a specialized version of NBOSI's CT sensor has been engineered to meet the unique requirements of the new HII REMUS 300 UUV, one of the most advanced underwater vehicles available on the market.

Neil Brown Ocean Sensors extends its gratitude to Marine Technology Reporter for this encouraging acknowledgment and looks forward to continuing its mission to drive progress in the marine technology industry.

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Digital edition of [Marine Technology Reporter](#)

For more information about NBOSI, please visit <https://www.nbosi.com/> or contact:

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NBOSI is a leading provider of cutting-edge marine technology solutions, specializing in the design and manufacture of advanced sensors supporting ocean research, industry and defense. With a commitment to excellence and customer satisfaction, NBOSI empowers scientists and engineers with reliable, high-performance tools designed to meet the unique requirements of the growing fleet of unmanned underwater and surface vehicles.

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