



cNODE Micro provides range accuracy better than 2 cm

Apr 04, 2017 10:30 BST

Kongsberg Maritime - Ocean Business 2017: Introducing cNODE Micro, the Miniature Subsea Positioning Transponder for Divers and Shallow Water ROVs

- *Ocean Business launch for new compact & lightweight cNODE system*
- *Provides position accuracy to less than 2 cm at depths to 600 metres*

Ocean Business 2017, Southampton - UK, 4th April 2017 – KONGSBERG will unveil the innovative cNODE Micro system at Ocean Business this week (stands N1 & P2). As the smallest member of the highly regarded cNODE series of subsea transponders, the new cNODE micro is designed to provide range accuracy better than 2 cm and is ideally suited for divers and shallow water ROVs, at depths down to 600 metres.

With dimensions of 245 x 55 mm, cNODE Micro is both compact and light weight. It uses Kongsberg Maritime's proprietary Cymbal digital acoustic protocols to provide the optimal positioning performance using the KONGSBERG range of SSBL systems, from μ PAP through to HiPAP.

cNODE Micro is extremely flexible, featuring both SSBL & Long Baseline positioning capabilities. With its better than 2 cm range accuracy and capability to measure baselines between transponders on the seabed, cNODE Micro is ideal for simple diver metrology or archaeology. Multiple cNODE Micro transponders can be interrogated simultaneously in SSBL positioning mode using the μ PAP and HiPAP Fast Track feature to ensure the fastest possible updates during operation.

Built in a coated, anodised aluminium housing, cNODE Micro features an internal rechargeable Li-Ion battery offering up to 10 day operation between charges with up to 28 hours operating using Cymbal's 500+ channels. Its telemetry capability allows battery status to be read during operation and an integrated tilt sensor can be turned on and off with positioning updates. It also features a pressure relief valve for safety and an external connector for configuration, software update and charging.

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About Kongsberg Maritime

Kongsberg Maritime is a global marine technology company providing innovative and reliable technology solutions for all marine industry sectors including merchant, offshore, subsea and naval. Headquartered in Kongsberg, Norway, the company has manufacturing, sales and service facilities in 20 countries.

Kongsberg Maritime systems for vessels cover all aspects of marine automation, safety, manoeuvring, navigation, and dynamic positioning. Subsea solutions include single and multibeam echo sounders, sonars, AUV/Underwater Robotics, underwater navigation, communication and camera systems.

Training courses at locations globally, LNG solutions, information management, position reference systems and technology for seismic and drilling operations are also part of the company's diverse technology portfolio.

In parallel with its extensive technology portfolio, Kongsberg Maritime provides services within EIT (Electro, Instrument & Telecom) engineering and system integration, on an EPC (Engineering, Procurement & Construction) basis.

Kongsberg Maritime delivers solutions that cover all aspects of technology underwater and on the water, aboard new build and retrofit vessels, and on offshore platforms and rigs, often under a single supplier strategy called The Full Picture.

Kongsberg Maritime is part of Kongsberg Gruppen (KONGSBERG), an international, knowledge-based group that celebrated 200 years in business during 2014. KONGSBERG supplies high-technology systems and solutions to customers in the oil and gas industry, the merchant marine, and the defence and aerospace industries.

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