



Kongsberg Maritime has added internal pressure sensors to the latest models in its cNODE MiniS transponder range, providing essential positioning and depth data for subsea operations

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Kongsberg Maritime launches new cNODE MiniS transponder with pressure sensor

Kongsberg, Norway, 9th February 2021 – Kongsberg Maritime is pleased to announce that it has augmented its range of cNODE MiniS SSBL (Super Short Base Line) and LBL (Long Base Line) transponders with new models incorporating an internal, high-accuracy strain gauge pressure sensor.

The new transponder units are designed primarily for positioning ROVs, AUVs

and towed bodies, and are also well adapted for operations where additional depth data or depth aiding is required, such as when locating subsea structures. This makes them particularly useful for windfarm installation support applications.

A range of models with different pressure sensors are available to maximise the accuracy of the reading. The 100m-rated unit would be best suited for windfarm installation, while the 1,000m- and 4,000m-rated units are ideal for use in contexts such as subsea construction, deep-water research, towfish tracking and AUV missions.

Pressure sensor data can be simultaneously reported on the back of the SSBL navigation reply pulse with no requirement for additional telemetry. The new transponder shares its specification with standard MiniS models and is fully compatible with HiPAP, μ PAP and cPAP medium-frequency underwater positioning systems, using KONGSBERG's Cymbal wideband acoustic protocol and FSK (Frequency-Shift Keyed) signalling. Configuration is carried out via an RS-232 connection or acoustic telemetry.

“Our cNODE MiniS transponders have attained a very solid reputation for the enhancements in accuracy and operational safety they have helped to establish in a broad variety of important functions,” says Erik Bjerke, cNode Product Line Manager, Kongsberg Maritime, “and the new units are destined to bring that same vital level of detail and reliability to an even wider range of applications.”

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About Kongsberg Maritime

Kongsberg Maritime is a global marine technology company providing innovative and reliable 'Full Picture' technology solutions for all marine industry sectors including merchant, offshore, cruise, subsea and naval. Headquartered in Kongsberg, Norway, Kongsberg Maritime has manufacturing, sales and service facilities in 34 countries.

Kongsberg Maritime solutions cover all aspects of marine automation, safety, manoeuvring, navigation, and dynamic positioning as well as energy management, deck handling and propulsion systems, and ship design services. Subsea solutions include single and multibeam echo sounders, sonars, AUV and USV, underwater navigation and communication 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. Additionally, Kongsberg Maritime provides services within EIT (Electro, Instrument & Telecom) engineering and system integration, on an EPC (Engineering, Procurement & Construction) basis.

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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