



The new DPS 432 combines full decimetre accuracy with high integrity and availability of GNSS data

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## **Kongsberg Maritime: New KONGSBERG Position Reference System Integrates all Available GNSS Services**

Kongsberg Maritime has expanded its established satellite position reference system portfolio with the introduction of a new system that integrates all available Global Navigation Satellite Systems (GNSS) and all possible correction services. The new DPS 432 combines full decimetre accuracy with high integrity and availability of GNSS data, supporting the safety and efficiency of offshore operations that rely on advanced Dynamic Positioning (DP) systems.

DPS 432 integrates signals from GPS, GLONASS, BeiDou and Galileo, and regional correction signals including SBAS (e.g. WAAS, EGNOS, MSAS, GAGAN), in addition to the new G4 services from Fugro, to ensure high flexibility for DP operations globally. Because DPS 432 exploits available combinations of GNSS signals, it is ideally suited to complex operations in challenging environments. The system increases satellite availability, improves integrity monitoring and enables more precision under challenging signal tracking conditions.

The new DPS 432 will be a part of the well-established KONGSBERG DPS range of solutions, a portfolio of products that meets all requirements for operations in any geographical region.

“DPS 432 expands our established and field-proven portfolio of position reference systems for DP operations, ensuring that we can offer a highly reliable solution for any DP vessel or operating region,” said Vidar Bjørkedal, VP Sales & Customer Support, Kongsberg Seatex. “The system is based on the same architecture as other DPS products, which means it features a highly intuitive HMI, while the ability to integrate all available GNSS and corrections provides integrity and availability of the position data needed for safe operations.”

The DPS 432 features the sophisticated DPS NAV Engine<sup>®</sup> used in all DPS solutions, which runs critical computations independent from the DPS HMI (operator interface) to ensure continuous and reliable operation. The DPS NAV Engine<sup>®</sup> runs in a safe mode, protected from unintended user operations, while several DPS HMIs can be connected to the same DPS NAV Engine<sup>®</sup> in a networked architecture.

Straightforward operation to enhance DP operations safety further, was a key design goal during development of DPS 432. The system can integrate multiple layers of information, giving the DP operator unmatched opportunities for a customised visual presentation, including i.e., electronic chart, seabed maps, well head positions, static targets and AIS target information.

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**For further information, please contact:**

Henning Langlete  
**Kongsberg Seatex AS**  
Tel: +47 73 54 55 00

henning.langlete@kongsberg.com

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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 and a total of 65 worldwide offices.

Kongsberg Maritime developed systems for vessels cover all aspects of automation, control, navigation, safety and dynamic positioning. Kongsberg Maritime also develops subsea solutions covering systems for Underwater Mapping (UMAP), Underwater Navigation (UNAV), Subsea Monitoring (SUMO) and Marine Robotics in addition underwater cameras.

Marine and offshore training simulators, LNG equipment, information management software, position reference systems, integrated aquaculture technology and advanced products to support seismic and drilling operations are also part of the company's diverse 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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