



Kongsberg Maritime is to supply a combination of systems to Norwind Offshore for installation on its two new CSOVs, due for construction at the VARD shipyard in Norway

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## **KONGSBERG delivers innovative propulsion technology to VARD for vessel newbuilds**

**Kongsberg, Norway, January 14<sup>th</sup>** – The new ship-owning company Norwind Offshore will fit KONGSBERG equipment to its two new Commissioning Service Operations Vessels (CSOVs), to be built by VARD.

Kongsberg Maritime's scope of delivery encompasses a combination of systems which will enable the operator to maximise operational windows

whilst minimising overall energy consumption.

Key to this is the propulsion technology, which for the CSOVs will include new permanent magnet (PM) PMAZ 2600PM azimuth thrusters, PM tunnel thrusters and a retractable azimuth thruster. The return of investment is greater propulsion efficiency and manoeuvrability with reduced operational noise, lower emissions and compact dimensions.

These units are part of an environmentally-focused range of propulsion units developed by KONGSBERG over the last decade, all based on the company's in-house PM technology. With only one rotating component in the underwater unit, low oil volume and no requirement for lubrication pumps or inboard cooling systems, PM thrusters experience reduced wear and tear and consequently deliver substantial savings in lifecycle cost. They also benefit from significant reductions in energy consumption, emissions and oil spill risk when compared with conventional azimuth thrusters, and are designed to meet stringent noise and vibration requirements, both on board the vessel and regarding emissions to sea (URN).

*"We are investing in this state-of-the-art technology from KONGSBERG in full confidence that it will pay off in the long term," says Svein Leon Aure, CEO of Norwind Offshore. "Our operational expenditures will be considerably reduced in comparison to using conventional thrusters, and the same goes for our environmental footprint. This provides us with purpose-built vessels, designed for the future of advanced maritime operations in the offshore wind market."*

*"It's a pleasure for us to know that our high-end products perform such a central role in the contract for this new and innovative player in the offshore wind market," adds Ottar Ristesund, SVP Sales Propulsion & Engines, Kongsberg Maritime. "We share our objectives to enable safer, more economical and greener operations at sea with both VARD and Norwind Offshore, and it will be rewarding for everyone concerned to put these principles into practice in such a direct and practical way."*

The first of the new CSOVs of VARD 4 19 design will be delivered from VARD in 2Q 2023. The second vessel is scheduled for delivery in 3Q 2024.

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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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