



ASV Global's C-Worker 5 ASV will be outfitted with KONGSBERG equipment at Ocean Business

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Kongsberg Maritime: Live-Stream Survey Data Set to Show How Integration can Optimise ASV Operations at Ocean Business 2017

- *KONGSBERG and ASV Global join forces to show potential of integrating survey, positioning and communication technology*
- *Unique Maritime Broadband Radio system to enable high-throughput streaming from the dockside waters to KONGSBERG and ASV Global Ocean Business stands*

- *Additional Ocean Business highlights include first ever showing of the innovative Eelume swimming robot*

Horten, Norway, 27th March 2017 – Kongsberg Maritime Ltd is teaming up with ASV Global at Ocean Business 2017 to demonstrate how the deep integration of sophisticated KONGSBERG survey, communication and positioning technology is vital to leveraging the power of a new generation of advanced Autonomous Surface Vehicles (ASV).

In addition to on-water demonstrations, KONGSBERG is also planning a booth packed with new technology at Ocean Business, based on the theme of 'Delivering data from the seabed to your office'. Alongside the first showing at a UK event of the ground-breaking Eelume swimming robot, the company will unveil several brand-new products including: A unique turnkey survey platform, an innovative compact environmental monitoring and communication system, developments of the Kongsberg Seaglider range with new models and additions to the Seapath position, heading and attitude sensors portfolio.

ASV Global's C-Worker 5 ASV will operate from the dockside waters during Ocean Business using an extensive suite of KONGSBERG technology. Live telemetry and data will be streamed directly to Kongsberg Maritime's stand (P2), giving Ocean Business visitors the chance to see how integration supports the quality of survey data and the ability to view it in real-time. C-Worker 5 will also stream live to ASV Global's stand (U4) with focus on telemetry for ASV operations.

The KONGSBERG installation including the new EM2040P multibeam echo sounder, Seapath 130 heading, attitude and positioning sensors and MicroPAP acoustic positioning systems represents the cutting edge of compact and portable technology for subsea survey operations on small platforms. Two-way data communication is handled by the unique Maritime Broadband Radio solution which can stream high throughput data and media at ranges greater than 25km. Underwater positioning will be provided by industry-standard cNODE transponders.

While delivering leading performance as distinct technology platforms for subsea survey and positioning operations, the interoperability between the KONGSBERG technology on C-Worker 5 offers significant operational benefits for both ASVs and manned vessels.

“The benefit of providing a completely integrated solution is in the quality control of all aspects of the interfacing and interoperability of the separate systems. By having the knowledge and control of this tight integration we can maximise the high quality of the data output. The combination of integrated systems in conjunction with the real-time data transfer and remote operations enhances the ability to gather high quality data in the most efficient manner,” said Helge Uhlen, VP Subsea Sales, Kongsberg Maritime.

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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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