Live Demo of Kongsberg Technology with ASV During Ocean Business

Kongsberg Maritime, together with ASV Global, will be demonstrating how the deep integration of Kongsberg survey, communication and positioning technology is vital to leveraging the power of a new generation of autonomous surface vehicles (ASVs).

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 products including:

- a 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.

Live Telemetry and Data Streaming

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 includes

- the new EM2040P multibeam echo sounder,
- Seapath 130 heading, attitude and positioning sensors and
- MicroPAP acoustic positioning systems

This equipment will show the capabilities of compact and portable technology for subsea survey operations on small platforms. Two-way data communication is handled by the 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.

The interoperability between the KONGSBERG technology on C-Worker 5 offers operational benefits for both ASVs and manned vessels, demonstrated by 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 the companies 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, states Helge Uhlen, VP Subsea Sales, Kongsberg Maritime.