C-Worker 5 Autonomous Surface Vehicle at the Ocean Business exhibition Southampton, 4-6 April 2017

Designed, built, and operated by ASV Global, C-Worker 5 is a platform to support construction and survey operations in combination with advanced hydrographic, positioning and communication systems from leading manufacturers such as Kongsberg Maritime.

The 5.5 metre loa ASV (illustrated) is designed for up to seven days’ endurance at survey speeds of up to 7 knots, minimising launch and recovery operations and increasing survey efficiency, it is claimed.

C-Worker 5 will be hosting a variety of Kongsberg Maritime systems during the demonstration at Ocean Business, including the EM2040P multi-beam echosounder; the Seapath 130 heading, attitude and position sensor, the MicroPAP compact and portable acoustic positioning system and maritime broadband radio.

Underwater positioning will be provided by Kongsberg Maritime’s cNODE transponders. This selection of sensors will show C-Worker 5’s capabilities as a survey and subsea positioning platform and enable visitors to see the ASView® control system in action.

C-Worker 5 has a proven track record of reducing the cost of survey work, having carried out data collection in conditions up to sea state 5 (>2.5 metres). In 2016, survey company TerraSond used the C-Worker 5 alongside their survey vessel to run a major hydrographic survey in the Bering Sea region of Alaska. The C-Worker 5 collected 2,275 nautical line miles of side scan and multibeam data – 44% of the project total. Using the C-Worker 5 resulted in an on-site time saving of almost 25 days, say reports.

Ocean Business visitors will be able to see the vehicle and sensors operating throughout the show.

In six years, ASV Global has produced more than 80 vehicles and developed more than 30 different payload packages. The company has also converted numerous existing vessels to operate autonomously. With offices in the UK, USA and Brazil, ASV’s 80+ employees support commercial, scientific, and military clients across the globe.