



KONGSBERG will also supply an extensive equipment and sensors payload for the HUGIN AUV

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Kongsberg Maritime: University of Gothenburg Selects HUGIN AUV to Expand Autonomy in Marine Research

- *Advanced AUV solution depth rated to 3000 metres with up to 300 Km range*
- *Chalmers University of Technology and Stockholm University to contribute to management of new national marine research asset*

Kongsberg, Norway, 20th June 2017 – The University Of Gothenburg has chosen Kongsberg Maritime's state-of-the-art HUGIN Autonomous

Underwater Vehicle (AUV) to expand Sweden's capabilities in the field of marine research using unmanned platforms. The HUGIN, which will be funded by grants from the Knut and Alice Wallenberg Foundation and managed by a project team with representatives from the University of Gothenburg, Chalmers University of Technology and Stockholm University, will be recognised as a national asset for marine research projects around Sweden and further afield.

The University of Gothenburg has chosen a HUGIN configuration rated to 3000 metres, with a range of up to 300 Km. The AUV is due for delivery in February 2018, and will feature an advanced KONGSBERG navigation system in addition to an extensive package of KONGSBERG and third party instruments and sensors, including an EM 2040 Multibeam echo sounder and environmental sensors such as the Contros HydroC[®] CO₂. KONGSBERG will also deliver a HUGIN Operator Station (HOS) Payload Operator Station (POS) and Acoustic Positioning Operator Station (APOS) for communication and full control of the HUGIN and payload from the mothership.

"In order to map the ocean environment to the degree that vital climate change research requires, we need to focus more on increasing our use of autonomous observation platforms," said Anna Wåhlin, Professor in Oceanography, University of Gothenburg. "Our new HUGIN AUV will significantly expand our ability to map ice, seabed, and explore marine environments previously inaccessible to us. KONGSBERG won the contract based on flexibility, experience, future expansion possibilities and price. We are confident that HUGIN will become an important tool in our on-going research in waters closer to Sweden, for example, in the Skagerrak and the Baltic Sea in addition to projects in the Antarctic and Arctic."

"HUGIN AUVs are often seen as a commercial platform for offshore exploration & production operations or for naval applications such as mine countermeasures, however, they have also completed tens of thousands of survey kilometres and countless research projects for academic and marine science organisations," said Atle Gran, Sales Manager Marin Robotics, Kongsberg Maritime. "We're delighted that the University of Gothenburg has chosen HUGIN as its lead autonomous research platform. We look forward to a long term collaboration with the University and its project partners, in addition to developing HUGIN for future research for ocean science and subsea environmental monitoring."

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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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