



Hydro-Lek arms for marine archaeology

Saab Seaeye has delivered a Hydro-Lek HD5 manipulator system, complete with valve packs, HPU, and control electronics to French submarine research and survey specialists, Copetech-SM for integration with their Perseo GTV ROV.



Hydro-Lek HD5 5 function manipulator

Based in Marseille, Copetech-SM will be deploying the new manipulator for marine archaeological applications in the Mediterranean. Working closely with DRASSM (Direction des Recherches Archaeologiques Subaquitiques et Sous-Marines) which reports directly to the French Ministry of Culture and Communications, the HLK-5600 arm will be collecting delicate ancient amphoras and oil lamps from the seabed off the east coast of Corsica.

Copetech-SM also intends to deploy the arm in oil and gas applications in Tunisia and Azerbaijan for platform inspection, mattress installation and the connection and disconnection of risers.



Hydro-Lek's 5 function arm collecting amphora from the seabed

A robust manipulator, the HLK-HD5 is designed for the smaller ROV and incorporates a continuous jaw rotate assembly and three Hydro-Lek hydraulic cylinders. Weighing just over 16 kg in water it is capable of lifting 40 kg at full reach of 800mm.

"We have been using Hydro-Lek manipulator systems for many years now," says Copetech-SM General Manager, Jerome Salielli. "They are well adapted to the size of our Class II ROVs and provide

an effective balance between capacity, size and price. This new 5 function manipulator will provide us with the extra dexterity required for future applications."

Hydro-Lek design and manufacture a wide range of compact and reliable hydraulic manipulators for small and medium class ROVs and other remote platforms. Ranging from a compact 5 function arm weighing less than 5 kg in water to a more rugged 7 function manipulator system, Hydro-Lek has become the supplier of choice for many remote intervention tasks worldwide across a broad spectrum of industries from oil and gas pipeline inspection through to the collection of ancient artefacts from the seabed.

Hydro-Lek became a business line within Saab Seaeye in January 2016. Saab Seaeye is the world's leading underwater e-robotics company, with the most advanced range of tethered, autonomous and hybrid electric robotic systems, engineered to address the diverse range of tasks found across commercial, defence and scientific markets.

More information contact:

Matt Bates
Saab Seaeye Ltd.
+44 (0)1489 898000
matt.bates@saabgroup.com
www.saabseaeye.com





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