

A Hydro-Lek Case Study

Navy research and rescue

Two 5-function Hydro-Lek manipulators have been fitted to Ageotec's Pegaso ROV for submarine research and rescue missions by the Italian navy.



Hydro-Lek Ltd

Specialists in remote handling for the nuclear, subsea and defense industries.



Ageotec's Pegaso ROV with 2 Hydro-Lek HD5 arms

Hydro-Lek have delivered two 5-function manipulators to Italian ROV manufacturer, Ageotec, for the Italian navy for research and rescue. The manipulators are fitted onto a Pegaso ROV system which also includes a motorized winch, silenced diesel power generator as well as a USBL and sonar system.

Ageotec were selected by COMSUBIN (the Italian navy's diver unit) to provide an open frame ROV system for visual and instrumentation research, objects recovery and underwater rescue.

The system accomplished its first successful mission in April and is now fully operational.

"The Pegaso system was tailored to our customer's specification and we are delighted with its successful operation. We have fitted Hydro-Lek manipulators on many of our Pegaso ROVs on the basis of their performance and reliability"

Giuseppe Di Stefano, MD – Ageotec Srl.

HLK-HD5 five-function Manipulator



A rugged work-class arm for the smaller ROV, this arm is constructed from 316 SS, HE30 Aluminium and High Density Polyethylene, it incorporates the HLK-2020 Continuous Jaw Rotate Assembly and three HLK-1300 Cylinders. The arm is capable of lifting over 40Kg at a full reach of 800mm. ROV's fitted include MAX ROV and Panther.

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