



Hydro-Lek Ltd

Press Information

June 2014

For immediate release

Hydro-Lek wins order for multiple 4 and 6 function manipulators for manned submersibles

Hydro-Lek have delivered four HLK-RHD 4 (4-function) manipulators and four HLK-CRA6 (6-function) manipulators to Canada-based submersible manufacturer, Nuytco Research Ltd, as part of their multiple contracts to deliver eight DeepWorker class manned submersibles to oil and gas contractors and naval groups.

The deliverables include Single DeepWorkers, each of which is fitted with 1 HLK-CRA6 and 1 HLK-RHD4 manipulator system and Dual DeepWorkers, each of which is fitted with 2 HLK-CRA6.

Hydro-Lek have been supplying Nuytco with highly dexterous robust manipulators for a number of years for use on their range of DeepWorker series of 600 metre and 1,000 metre depth-rated microsubmersibles, in both single pilot and pilot + Passenger configurations. DeepWorkers have been used all over the world for scientific, survey, construction, oilfield, and tourism work.

With a lift capacity of 30kg, the Hydro-Lek HLK-CRA6 is a long reach, lightweight 6-function arm and incorporates a continuous jaw rotate assembly and four 30mm bore hydraulic cylinders. Weighing just 14 kg in water, it is compact and designed to fit into smaller

submersibles for collecting sea bed samples but can also be used for a variety of other applications including as an extended camera or lighting platform.

The HLK-RHD4 is rugged but lightweight 4-function manipulator capable of lifting 90kg at 140 Bar and incorporates a continuous jaw rotate assembly and two 35mm bore hydraulic cylinders. Weighing just 30 kg in water, it is often used for its powerful grab ability as well as its dexterity.

Each manipulator was supplied as a complete system including a bespoke Hydro-Lek valve pack, power pack and hoses and fittings.

“The Hydro-Lek System is a great fit for our manned submersibles. The success of the DeepWorker is based on its light weight and ease of operation. Hydro-Lek manipulators give the DeepWorkers a work class punch without compromising payload” Says Phil Nuytten, President of Nuytco Research Ltd. “Customer support has been great, allowing us to come up with innovative integration solutions”

This completes 50% of Nuytco’s current contract with final deliveries scheduled early 2015.

Nuytco Research is a world leader in undersea technology. From their premises in North Vancouver, Canada they design, build, and operate atmospheric diving suits, submersibles, remotely operated vehicles, lights, thrusters and other specialty equipment for underwater applications.

Hydro-Lek is a leading supplier of remote handling systems for the subsea, nuclear and defence industries. Products range from simple hydraulic components to fully integrated telemetry-controlled remote manipulator systems for integration onto ROV’s and remote access platforms. The company was acquired by Saab Seaeye in September 2013 and employs a dedicated team of hydraulic and design engineers to provide a specialist turnkey project engineering and build service from its facilities in Berkshire England. Hydro-Lek’s robust, lightweight and inexpensive manipulators are currently used on a wide range of ROVs and manned submersibles worldwide for different applications.

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Nuytco's Single Deepworker manned submersible with Hydro-Lek CRA6 and RHD4 arms



Nuytco's Dual Deepwater submersible with 2 Hydro-Lek CRA6 arms