



# Outreach

Quarterly newsletter from remote handling specialists, Hydro-Lek

*In this issue:* CRA6 manipulator used on tourist submersibles • 2011 Training Courses now available from Hydro-Lek  
• New Aluminium Cylinders • Skip Transporter Mast De-planting • Skid for Sellafield Decommissioning



Welcome to the second issue of **Outreach**, our quarterly news bulletin designed to keep you informed about latest developments within Hydro-Lek.

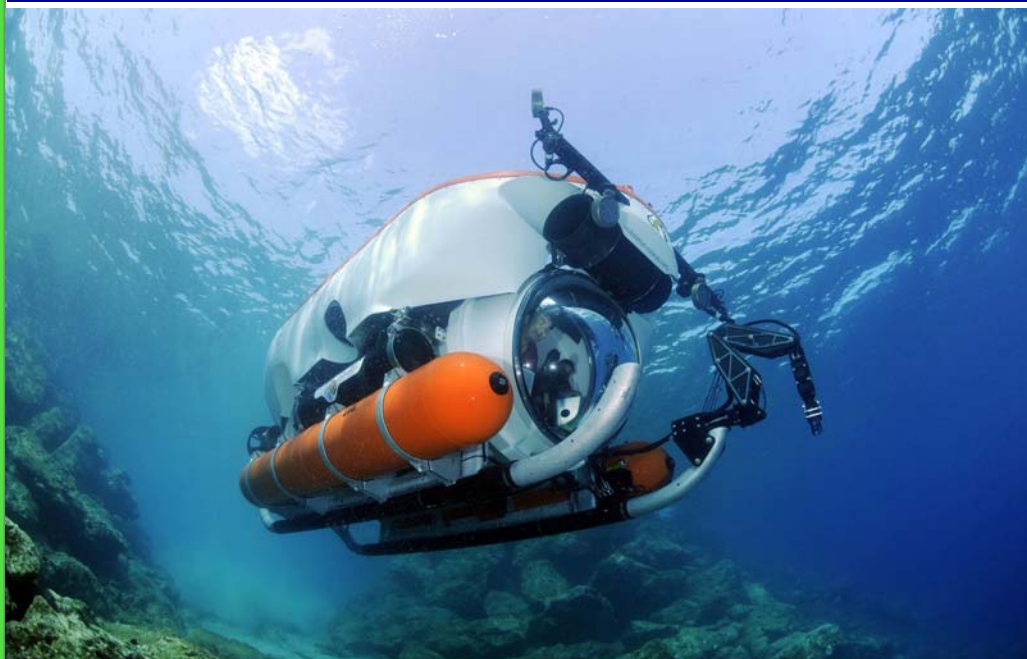
After a slow start to business across the industry, the second half of 2010 showed a significant increase in activity—in particular in the area of empowering small ROVs—and Hydro-Lek continue to play a pivotal role in improving the capability of all electric ROVs

As always, Hydro-Lek are able to maintain good after-sales service with high levels of spares stock and this has enabled us to support customers throughout the world speedily and efficiently.

Thank you for your interest and business during the year and, on behalf of myself and my staff, I would like to wish you a happy Christmas and a healthy and prosperous new year.

Chris Lokuciewski  
Managing Director, Hydro-Lek Ltd

## Nuytco arms tourist submersibles with Hydro-Lek manipulator



Nuytco Research of North Vancouver BC Canada is a world leader in the design and manufacture of manned submersibles and diving systems. Since 1996 Nuytco have been developing the DeepWorker 2000 class of submersibles. They searched for a manipulator system which was rugged enough for commercial tasks, had the dexterity for scientific collection and yet had a size and weight compatible with the DeepWorker

platform. Nuytco found the answer with the Hydro-Lek CRA-6 manipulator.

Nuytco has supplied many of its submersibles with the CRA6, including the dual DeepWorker submersible shown here, now owned and operated by the Waitt Institute of Discovery. The high reliability of this manipulator system allowed for seamless integration with the proven operating platform of the DeepWorker.

## Training Courses for 2011

Our Training Schedule has now been finalised for the first quarter of 2011 as follows:

**Monday 17th January**  
**Friday 25th February**  
**Friday 11th March**

These one-day courses combine the principles of subsea manipulator handling tools with hands-on workshops to enhance understanding and skills on latest manipulator technology.

Our courses can be held both on- and off-site and cater for all skills. We can also include basic/refresher courses on hydraulics and electronics if required.

For further details please visit our website or contact Wendy Glover on:

+44 (0) 118 9736903 or  
[enquiries@hydro-lek.com](mailto:enquiries@hydro-lek.com)

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## Hunterston Skip Transporter Mast De-Planting

Magnox North has purchased a Hydro-Lek Underwater Rotary Cutter which will be deployed on the end of poles between 1.5 and 7.5 metres below the surface of a skip-handling pond at the Hunterston A site.

The tool is to be used for the de-planting and size reduction of the skip transporter mast and grapple arm. The materials to be cut range from 305 mm x 89mm x 13mm RSC to 75mm x 75mm x 10mm RSA along with some 50 mm to 20 mm diameter stainless steel, thus constituting a wide range of material sizes to be cut. The tool has been provided with an articulated head to enable it to be used in the horizontal or vertical planes or at any required angle in between.

Underwater cutting was chosen as a safer option providing optimum operator safety using the principles of time distance and shielding. Future use of the tool will include the removal of fixed furniture in other areas of the pond and this may include retrofitting the tool to an underwater tracked ROV for deployment.

To support the tool in water and to enable the tool to be raised and lowered mechanically, Hydro-Lek provided a small floating pontoon system with a hydraulically driven winch, developed in conjunction with Magnox North. Removal of the mast is a key activity to remove the obstruction of the tower from the pond enabling furniture at the bottom of the pond to be readily accessed. The eventual goal is to drain and clean the pond ready for future demolition.

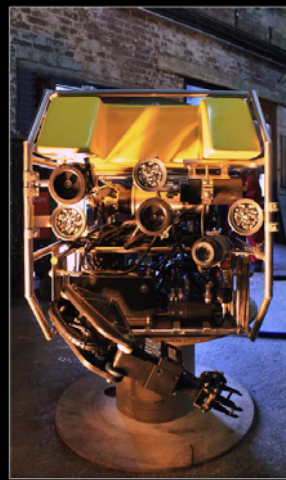


The Hydro-Lek HLK 33625 Rotary Cutter used by Magnox North

## Rovtech choose Hydro-Lek for decommissioning

Rovtech have contracted Hydro-Lek to develop a skid for decommissioning activity in Sellafield.

The system, which Rovtech took delivery of last week, has been modified so that all exposed parts are constructed from either stainless steel or plastic. It incorporates the Hydro-Lek Mini Gauntlet and supporting power and valve packs and is fitted onto a Rovtech Seaseeker ROV. Further skids are under development for additional decommissioning activity.



## Hydro-Lek go Green

As of 1st January 2011, all Hydro-Lek systems will be supplied with biodegradable EP32 hydraulic oil.

We at Hydro-Lek take our contribution to saving the planet seriously and are changing to a fluid which not only offers high performance but is also environmentally friendly.



## Hydro-Lek kick off UK Tour at Aberdeen

In November we held our first Customer Event in Aberdeen at The Hilton Treetops Hotel. Combining a few short presentations with demonstrations of some of our equipment over an informal buffet, the evening was a huge success attracting some 50 ROV specialists from the subsea industry. The feedback we received from customers was very encouraging and we are looking forward to introducing more roadshows across the country next year.

## Tidal Generation goes live!

Tidal Generation Ltd are pleased to advise Hydro-Lek that their Deep Gen III 500 kW tidal Stream Turbine is now successfully generating power.

Hydro-Lek supplied specialist tooling for the attachment and detachment of a subsea electrical connector with precise and fast interchangeability within a narrow time-frame.

Tidal Generation thanked Hydro-Lek for their input in the development of the interface tool.

For further information about any article you have read in this newsletter please visit our website or contact Wendy Glover at

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