

Outreach

Quarterly newsletter from remote handling specialists, Hydro-Lek

In this issue: Latest 5-function and 7-function work class manipulators • Training courses now available from Hydro-Lek • New Torque Tool undergoes final trial • Subsea Renewable Energy solutions • Hydro-Lek arm goes onto private submarines



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

Hydro-Lek products are used in a wide range of demanding applications in the subsea, defence and nuclear industries and range from simple hydraulic cylinders and components to fully integrated telemetry controlled remote manipulator systems for integration onto ROVs and remote access platforms.

We value communication very highly within Hydro-Lek and listening to our customers and their requirements is key to our success. That's why we have introduced **Outreach**—not only as a vehicle to update you on new products and services but also to hear from you and advise you on best practice solutions to your remote handling requirements.

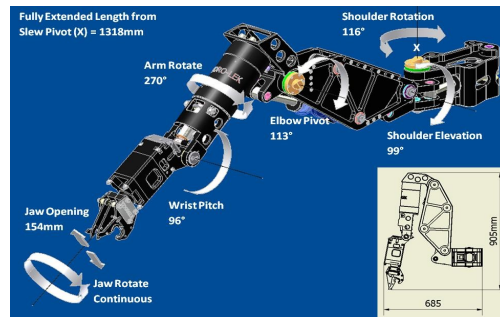
Your continuing business is important to us. Please email us at enquiries@hydro-lek.com or call our sales team on **+44 (0) 118 9736903**.

Chris Lokuciewski
Managing Director

Latest work class 5 and 7 function complementary manipulators

Last month saw the launch of our new complementary work class 5 and 7 function arms, to meet the growing need for simple, rugged and inexpensive manipulators.

Low power consumption is a unique feature of both the HLK 40400 and HLK 40500R: the hydraulic power required is 1.5 Kw max and as all joints are hydraulically locked in dormant mode there is no need for constant flow to maintain position. Each arm can be mounted on either side of the ROV by virtue of a unique slew bracket which can be installed for starboard or port mounting. Intuitively controlled via a seven axis joystick, a full range of positions can be achieved and the ability to regulate speed on the rate control system enables greater precision over movement.



Each arm can be fitted with 2 types of grabber jaws with opening ranges from 0 – 310 mm. The HLK-40400 5 function arm features a double upper arm linkage which ensures compact storage and enables an upper arm range which can work from below the ROV to points close to the standard badge bar.

This new range of compact manipulators has been developed to meet the increasing requirements of the new work class ROVs. And in keeping with our philosophy of offering good value for money we have been able to combine high performance functionality with low cost.

New! Hydro-Lek training courses

We are now offering full in-house and overseas training which will combine the principles of subsea manipulator handling tools with hands-on workshops to enhance understanding and skills on latest manipulator technology. These courses cater for all skills and can include basic/refreshers courses on hydraulics and electronics if required.

Training Dates 2010

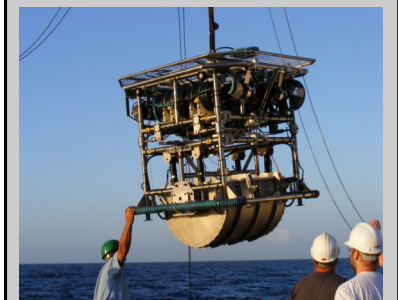
Dates of forthcoming one-day training courses on Hydro-Lek Manipulators and Tooling:

Monday 10th May
Monday 24th May
Wednesday 9th June
Wednesday 30th June

For further details please contact Wendy Glover on +44 (0) 118 9736903.

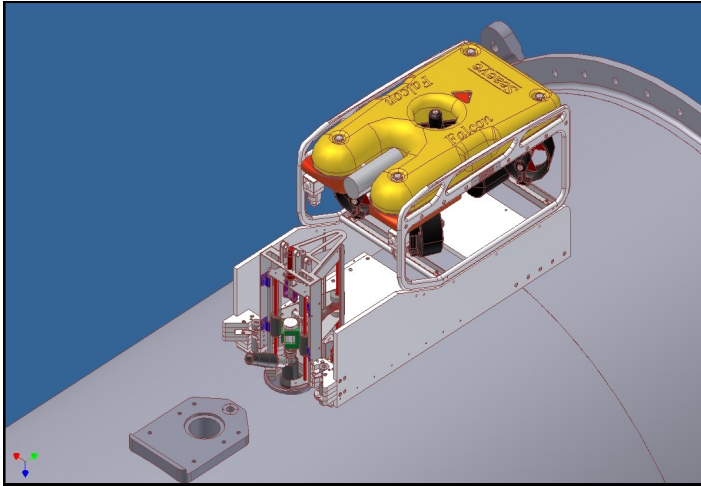
STOP PRESS

HyBIS used in world's deepest undersea volcanic vents discovery



See our website for details:
www.hydro-lek.com

Tooling skids from Hydro-Lek help renewable energy solutions



Hydro-Lek have developed user-specific tooling equipment for subsea renewable energy installations and maintenance using high performance tooling on smaller ROVs. A typical installation is the attachment and detachment of a subsea electrical connector with precise and fast interchangeability within a narrow timeframe.

Key benefits of systems developed so far include the ability to perform tasks requiring forces exceeding those of the ROV thrust capabilities therefore allowing ROVs such as the Seaeeye Falcon to be used for high load tasks. In addition to this a single tooling system has been used to carry out multiple tasks including cable mate/demate operations and operation of mechanical latches.

Handling capability for private submarines

“Hydro-Lek’s systems are tried and trusted in the industry and offer excellent reliability”
Erik Hasselman,
U-Boat Worx.

Dutch company U-Boat Worx builds 2 and 3 person submarines for personal and tourist use and has been providing these to super-yacht owners for the last 5 years.

U-Boat’s C-Quester 3 with a Hydro-Lek 6 function arm has recently been sold to a private buyer for seabed sampling.

“We looked at several types of manipulators but chose the Hydro-Lek arm for several reasons” says U-Boat’s Sales & Marketing Manager, Erik Hasselman, “The size and functionality of the manipulator offered good value for money and ... Hydro-Lek’s excellent customer service meant that our requirements were handled

promptly and efficiently.”

The HLK-CRA6 arm from Hydro-Lek is a long reach lightweight heavy duty arm which uses polyethyelene in its construction to ensure that its effect on trim when fitted to a lightweight craft is kept to a minimum.



Record number of visitors to Hydro-Lek stand at Oceanology International 2010!

Hydro-Lek were delighted to see many old and new faces at Oceanology International last month. Visitors were able to witness—and try it for themselves—the precision and dexterity of the new 5 and 7 function manipulator with joystick control.

(Photo shows some of the Hydro-Lek team)



New Member to Sales Team

Hydro-Lek welcomes Andrew Robertson as Sales Engineer for UK & Europe. A Pneumatics and Systems Design Engineer, Andrew joins with 25 years Sales Engineering experience.



New Hydraulic Torque Tool

Trials are now currently underway on our new HLK-85000 class 1-4 torque tool.

The ultra light weight tool has closed loop proportional control to ensure reliable and accurate torque application while the hand held user interface enables simple torque and turns application.