

Hydro-Lek Ltd

Press Information

July 2011

For immediate release

Hydro-Lek Manipulator used to recover black boxes from Air France Flight 447

A Hydro-Lek manipulator was used to successfully recover both flight recorders from Air France 447. The HLK HDR6R is a compact, rugged 6 function arm designed for the new breed of smaller work class ROVs. It was used by US-based Phoenix International Holdings, Inc. (Phoenix), experts in deep ocean search and recovery operations, on its ROV Remora at depths of 3900 metres to clear debris and grab hold of the FDR and CVR and place them into a basket for recovery to the surface.

Fitted with a selectable actuator at the shoulder joint, the HLK HD6R is mountable in 4 separate positions to allow port and starboard mounting as well as offering additional up or down functions. This allows for additional reach into holes or restricted pipe ends.

"Phoenix has used Hydro-Lek's 6-function rate manipulator for a number of years now. It offers excellent value for the money and has helped perform numerous

successful salvage operations for our government and commercial clients in depths of up to 5,400 metres," said Steven Saint Amour, Phoenix's Manager of ROV Operations.

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 employs a dedicated team of design engineers to provide a specialist turnkey project engineering and build service from its facilities in Berkshire, England

Phoenix have used the HLK HD6R manipulator for the past 12 years in the recovery of a F-14, SH-60 helicopter, Airbus 310, ATR 72 and a Boeing 737 – testimony to the ability of Hydro-Lek's products to withstand the toughest conditions over a long period of time.

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Photo caption:

Hydro-Lek Manipulator attached to Phoenix ROV Remura recovering FDR box belonging to Air France Flight 447.