

**Hydro-Lek Case Study** 

# Flight Box Recovery

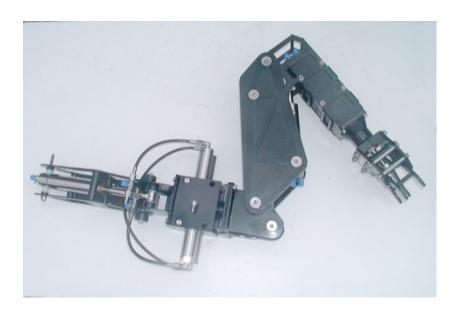


Hydro-Lek's six-function manipulator has been used to successfully recover both flight recorders from the stricken Air France 447 in the Atlantic.

# **Hydro-Lek Ltd**

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

www.hydro-lek.com



"Phoenix has used Hydro-Lek's 6-function rate manipulator for a number of years now. It offers excellent value for money and has helped perform numerous successful salvage operations for our government and commercial clients in depths of up to over 5000 metres"

Steven Saint Amour, Manager of ROV Operations at Phoenix International

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 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.

## **Hydro-Lek HD6R Specification**

#### **Dimensions**

Length of arm 1120mm
Length of slew plate 280 mm
Height 530 mm
Width 145 mm

#### **Capacities**

Rotate 360°cont
Torque at 140 bar 38 Nm
Lift capacity at full reach 30 Kg
Max working pressure 210 Bar

## Weight

In air 29 Kg In water 21 Kg

#### Construction

316 SS

HE 30 hard anodised aluminium High density polyethylene

**Ports** 1/8NPT/7/16 SAE

