HYDRO-LEK
REMOTE HANDLING SPECIALISTS

Hydro-Lek Case Study

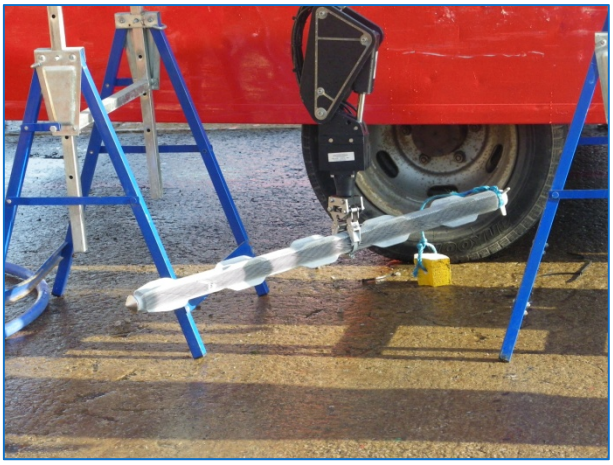
Handling Nuclear Waste

Hydro-Lek was chosen by James Fisher Nuclear to provide a manipulator system to dispose of miscellaneous nuclear waste

Hydro-Lek Ltd

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

www.hydro-lek.com

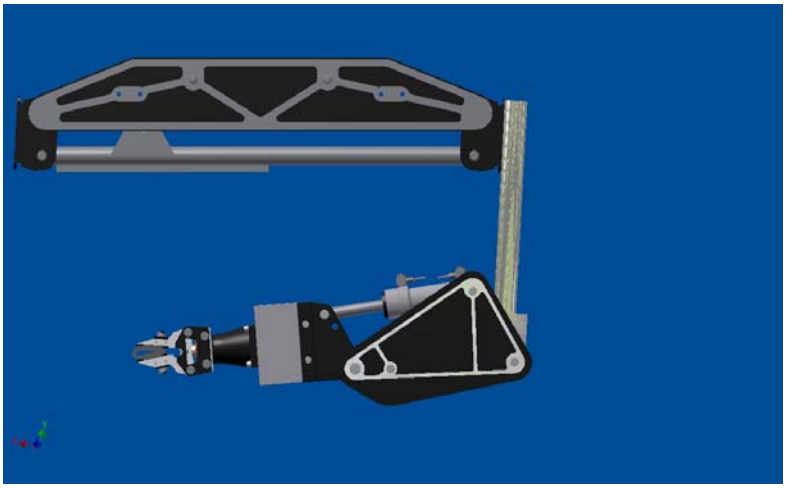


"Hydro-Lek has put a lot of time and effort in researching the materials to be used in this prototype in order to meet the key constraints of such a hostile environment. The simplicity and value for money offered by their system, together with their history and proven technology in the offshore technology, meant that Hydro-Lek is the manufacturer of choice for this solution"

Simon Pyne, Business Area Manager for James Fisher Nuclear

As part of the government's ongoing process of nuclear decommissioning Hydro-Lek has been chosen by James Fisher Nuclear to provide a manipulator system to dispose of and confirm the inventory of miscellaneous nuclear waste.

The skid, which was designed and manufactured by Hydro-Lek, interfaces with an industry standard ROV and houses a HLK 48000 Arm - which is based on the HLK 46000 mini camera boom and a HLK 43000 Mini Gauntlet manipulator - with corresponding power and valve packs. It is constructed from materials – predominantly plastic – which are extremely lightweight and highly resistant to hostile environments. A unique sacrificial jaw feature enables contaminated jaws to be jettisoned and replaced.



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Hydro-Lek HLK-48000 Specification

Dimensions

Length of arm	1040mm
Height	636 mm
Width	120 mm

Movement Range

Up/Down		65-0-70°
Left/Right		0-30°
	Optional	30-0-90°
Camera Pan		180°
Tilt		90°

Weight

In air	13.7Kg
In water	8.7Kg

Construction

316 SS
HE 30 hard anodised aluminium