



ROVTECH SOLUTIONS LTD

N17 Extreme ROV

The Rovtech Solutions' N17 Extreme ROV is built on the proven technology of the Seaker and Compact Seaker which have been working in the UK nuclear decommissioning sector for many years. The robust vehicle has been reimagined pushing the radiation tolerance to greater than 1000 Gy per hour.

The Stainless Steel frame and fixings were incorporated to combat the effects of radiation uptake and can be washed down for maintenance and are corrosion resistant.

All control electronics are kept at the surface to remove the risk of failure when exposed to high levels of radiation. This philosophy is mirrored within the thrusters with the use of stainless steel housed brushed PM DC Motors.

A range of radiation tolerant cameras are available: Client specified.

All polymers are selected for use with high gamma radiation including the buoyancy module which is coated with a flat profile PU coating.

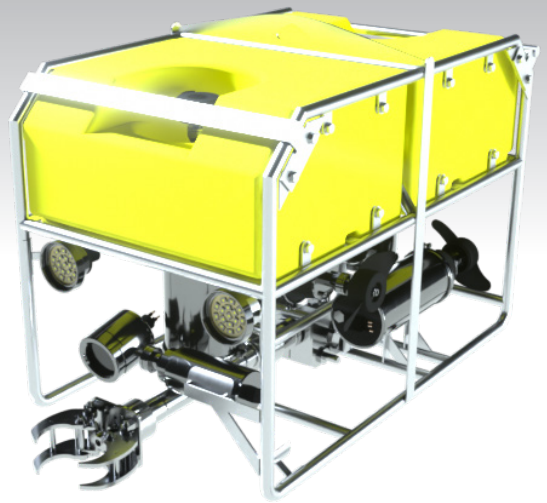
The PT16X tooling interface is designed for easy integration of tooling and gives full access of the options shown below.

PT16X Tooling Interface

Allows for the range of RSL Carbon Fibre Extension Poles to be used in conjunction with the tooling creating further protection from the harmful effects of radiation.

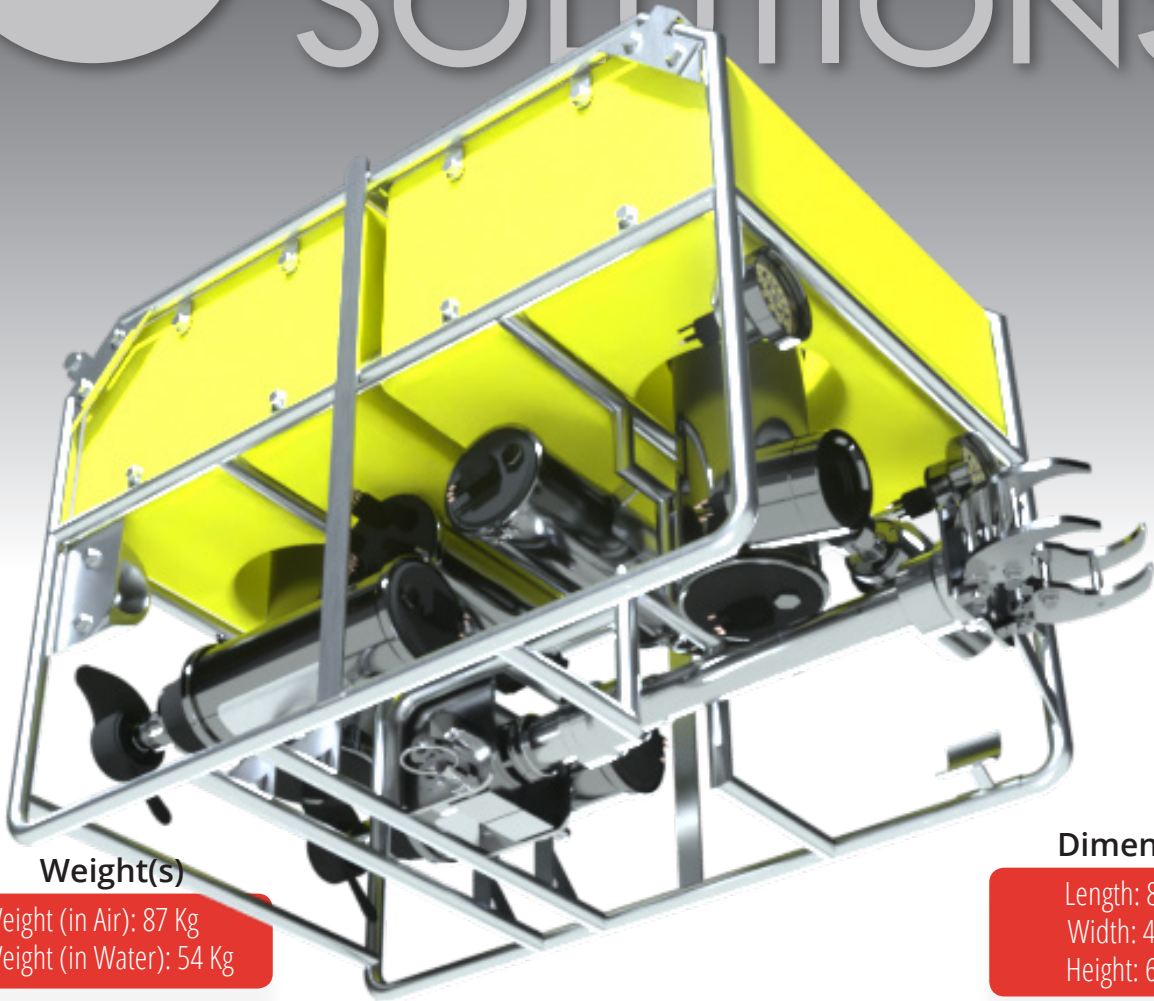
Tooling Options:

Gripstick
Rotating Brush
Water Sampler
Tilt with Extra Camera/Light
UT Probe
Configurable for Custom Tooling





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Weight(s)

Weight (in Air): 87 Kg
Weight (in Water): 54 Kg

Dimensions

Length: 800 mm
Width: 496 mm
Height: 622 mm

Extreme Radiation Tolerance > 1000 Gy/Hr

All A4 Fasteners

All 316 Stainless Steel Frame, Housings and Brackets (High Corrosion Resistance)

Stainless Steel House Brushed PM DC Thrusters

Surface Control Electronics (No control electronics on-board)

No Earth Metals

Flat Profile PU Coated Buoyancy Module for Ease of Decontamination

No Halogens

Polymers Selected for Compatibility with High Gamma Radiation

On Board Radiation Detector

RSL Tooling Interface

Proven Operational Technology

Gripstick Module (Optional) Other tooling on request
