



REMOTE OPERATED VEHICLE VIDEO INSPECTIONS

European Geophysical Services Ltd offer a specialist survey service using a Remote Operated Vehicle (ROV) which allows underwater inspections of:

- reservoir dam walls
- water tanks
- underground service reservoirs
- flooded tunnels and adits wells and shafts.

Range: up to 250m from point of access.

Video images are recorded onto both DVD and hard drive.

The use of the ROV greatly reduces the health and safety implications of using specialist divers by allowing an initial survey of the hazards before divers enter the water, or even negating the need for diver entry at all.

ROV Specifications

Size:	240x300x360mm
Weight:	12kg
Temperature:	1 - 50°C
Max.depth:	90m below WL
Max. horizontal reach:	250m*

ROV Operational Conditions

Minimum access hole:	400x400mm
Minimum well / shaft diameter:	1000mm round or equivalent
Maximum current:	2 Knots
Any water filled location.	

The ROV can be used with a sonar attachment which provides measurements of well or shaft diameters, tunnel widths tank sizes and locations of internal supports . (Tunnel heights are measured with the ROV depth readings.)

Example sonar scans showing (top left) adit alcove with steel cased BH penetrating (semicircle just below centre point), and (bottom right) 4m wide shaft with short adit. The concentric rings are at 2m intervals.

