

Proud Members of



Benefits of our service	Diver	JPM Global ROV
Unlimited bottom time	x	✓
OH&S Risk minimisation	x	✓
Cost effectiveness	x	✓
Real time interaction	x	✓
Light weight, flexible platform	x	✓
Latest innovative technology	x	✓
Engineering consultancy	x	✓
Harmful environments	x	✓

Qualified and Approved Inspectors & Surveyors for



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Remotely Operated  
 Underwater Vehicle  
**ROV**  
 Dam Inspections



Verifying Valve operations



Conduit valve fault identified – 35 mtr depth



Proving gasket and pipeline integrity

**ABOUT ROV'S**

Our ROV is a purpose built engineering inspection machine that is designed to deliver results that can support and document visual underwater images used for decision making and evidence of dam and equipment conditions.

We routinely attend statutory dam safety inspections around Australia with the purpose of documenting:

- Any damage to upstream dam faces as a result of floods and debris impact
- Integrity of intake tower, pier and concrete structures
- Trash screen and protection filter condition
- Pipeline and pumping equipment maintenance requirements
- Identification of debris and obstacles

**DAM APPLICATIONS**

**Corrosion and Wear Inspections:** Steel piers, piles & underwater structures can be condition monitored using Ultrasonic Thickness gauging equipment.

**Pipeline Inspection:** Follow underwater pipelines to check for leaks, determine overall health of the pipeline and insure the installation is acceptable.

**Upstream Dam Face:** Condition survey of concrete panels, liners and dam face protection layers to confirm that no flood damage exist or quantify scope of work for repairs and remedial actions should damage be identified

**Trash screens and filters:** Detailed inspection of protection and trash screens to locate defects and materials condition.

**Ducts and conduits:** Internal inspections of concrete and steel structures, valves and screens. Especially useful where diver access is difficult and dangerous.

**Equipment operations:** Verification and witnessing of correct operation of sluice gates and emergency valves.



Upstream dam face inspection

**WHY USE AN ROV?**

**Cost** – ROV's and Pilots are mobilized to site much more cost effectively than conventional dive teams, due to reduced equipment weight, complexity and crew numbers

**Response Time** – Airfreight and transport significantly increases the response time of ROV teams

**Flexibility** – Anytime, anywhere, no need to wait for diver availability, dry docking windows or transport windows to service ports. The equipment & operator comes to you.

**Access/Size** – The size of the inspection ROV makes access into confined areas a breeze.

**Bottom Time** – No restrictions exist on bottom time with the inspection ROV and the client / client's representatives can participate in the inspection.

**Health & Safety** – ROV's offer a much safer alternative to placing divers in the water, and the ROV's can operate in up to 2 knot currents which means less inspection down time.

ROV can also dive in liquids that are offensive to humans.

**Statutory Dam Safety Inspections**

Any dam.....any depth.....



**ABOUT JPM GLOBAL PROJECT MANAGEMENT**

Our team of experienced project professionals can progress a project from any stage between formation and commissioning.

We operate in accordance with the principles of PMBOK (Project Management Body of Knowledge) and we are members of the Australian Institute of Project Managers.

We have proven project performance in the areas of mining and coal handling, port and terminal infrastructure projects and capital asset procurement and acquisition which means we are able to apply learning outcomes from these projects combined with the proven principles of project management to benefit clients.

**MARINE CONSULTING**

We have a core of competent, qualified marine professionals that are ready and flexible to travel Australasia wide to meet customer needs.

Our competitive advantages are in the marine and maritime sectors where we have a proven ability to add value to business and project development. The engagement of our services by past clients has led to the establishment of several large scale projects and new business realisations in the areas of marine assets, infrastructure and port development.

Specifically we provide the following services :

- Marine Surveying – class, cargo, condition, damage.
- Pre purchase inspections & reporting.
- Marine incident investigations and reporting.
- Dry-docking and repair management – scope, quality and cost control.
- Maritime project management – initiation, planning, execution, closure.
- ROV underwater investigations