

METROCORP CAPABILITIES

**Innovative technologies to access, inspect
and repair infrastructure**

Difficult work, done damn well

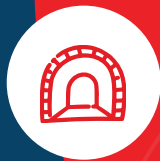


HELPING INFRASTRUCTURE OPERATORS AND MANAGERS STAY ON TOP OF THEIR ASSETS

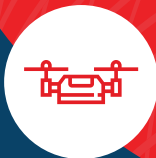
We bring decades of experience to proactive asset protection and remediation to maintain optimal operational capacity and to safeguard integrity and longevity.

As your partner, we analyse these needs, and tailor the optimal approach to Access, Inspect, and Repair them efficiently and safely.

Specialising in navigating the toughest and most dangerous environments, we combine innovative engineering solutions with meticulous material selection and quality remedial techniques to extend the service life of your assets, ensuring reliability for years to come.



Confined space access and inspection



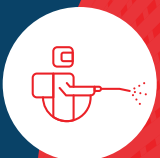
Drone inspection of confined spaces and enclosed structures



Concrete repairs and remediations



Concrete linings and coatings



Ultra-high-pressure water jetting including hydro-demolition

CORE CAPABILITIES

● ACCESS ●

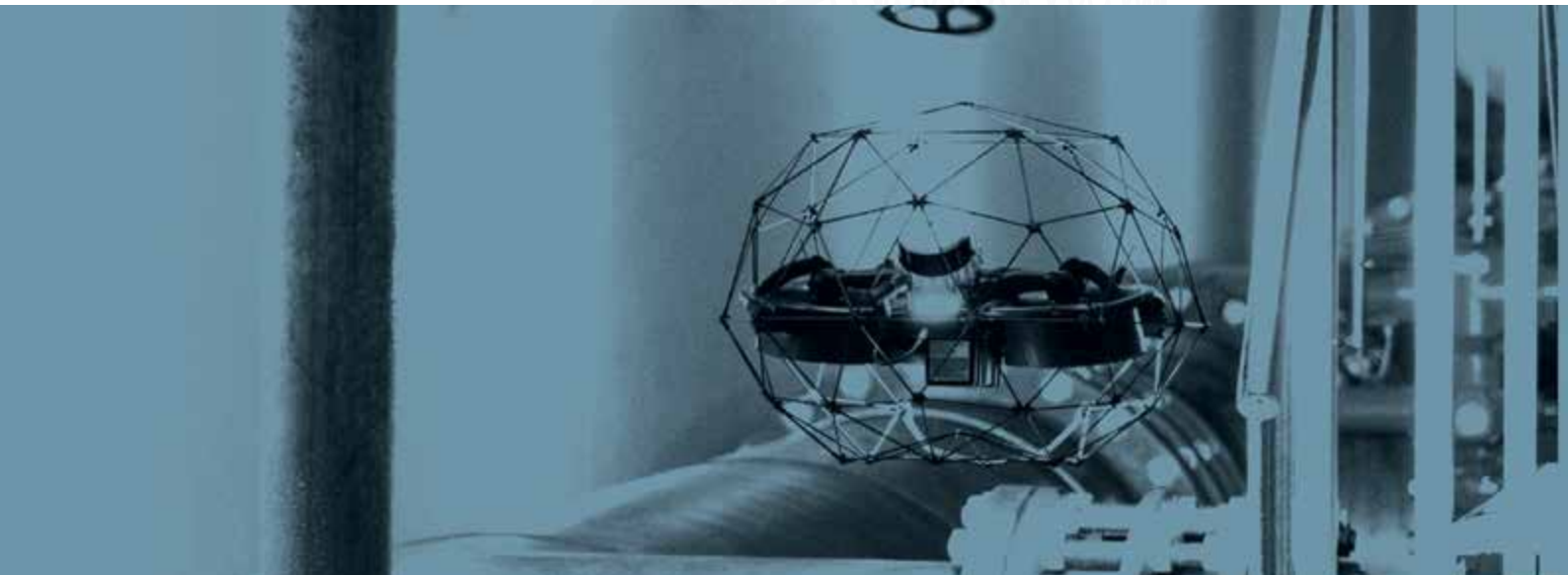
Access Services for critical infrastructure - even in challenging environments

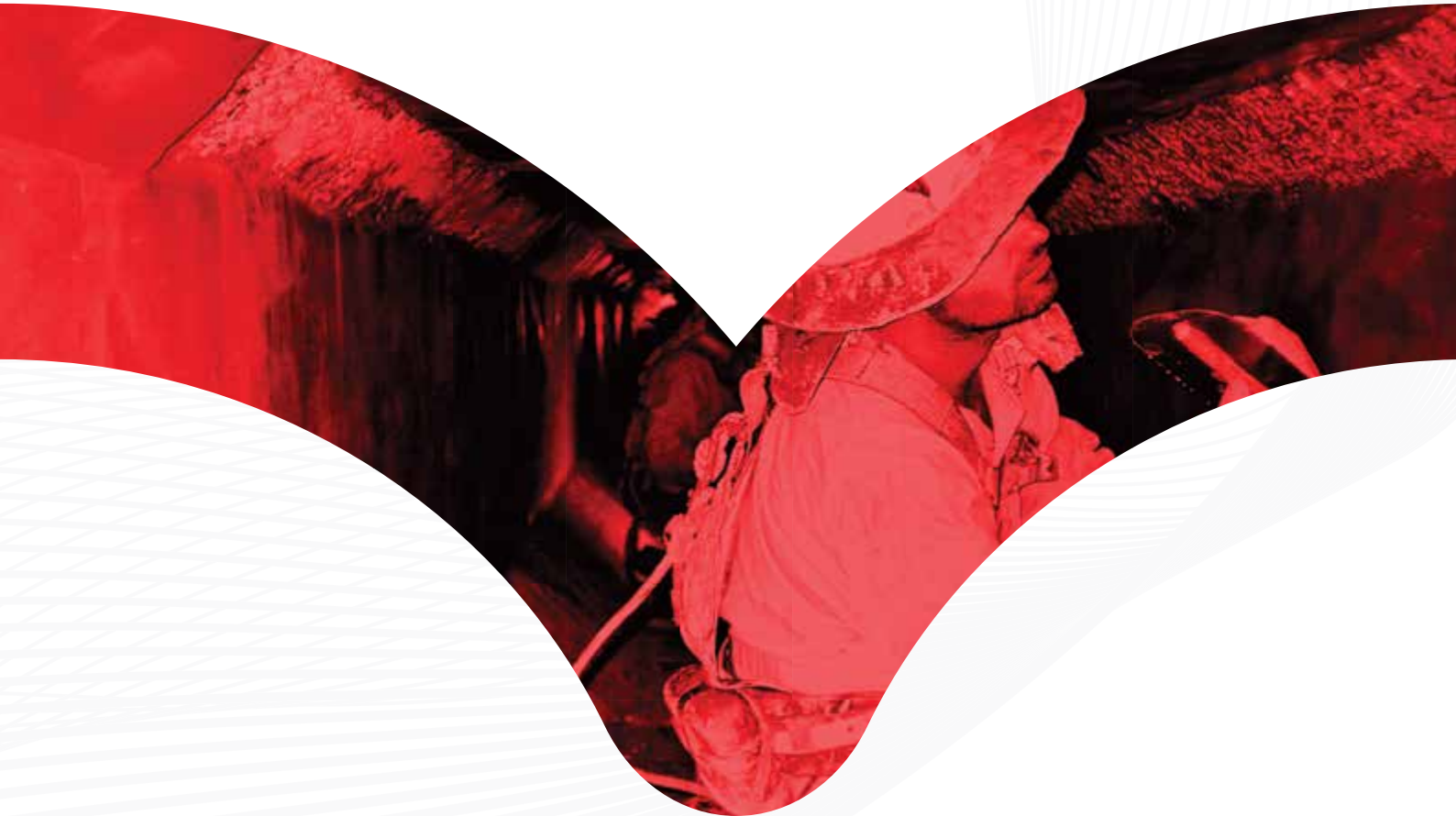
- Development of confined space access plan including emergency response and communications plans for safe ongoing implementation of inspection and maintenance services.
- Installation and management of isolations and diversions to ensure the continued operation and maintenance of essential infrastructure without disrupting the primary systems and the community.
- Provision of all necessary safety equipment to enable access to infrastructure

● INSPECT ●

Safeguarding infrastructure assets: comprehensive inspection services even in the most challenging environments

- Drone inspection, video analysis and 3d mapping of confined spaces and enclosed structures to enable the safe collection of data for condition assessment reporting.
- All-terrain pipeline robot for crawling and inspecting sewer and stormwater pipes and tunnels, and detection of box culverts, culverts and river channels.
- Extracting core samples from an existing concrete structure for testing and analysis.
- The installation of monitoring systems to enable real-time detection of potential maintenance issues, threats or anomalies.
- Access hole inspections to identify any safety, functionality or structural integrity issues Drone inspection, video analysis and 3d mapping of confined spaces and enclosed structures to enable the safe collection of data for condition assessment reporting.





● REPAIR ●

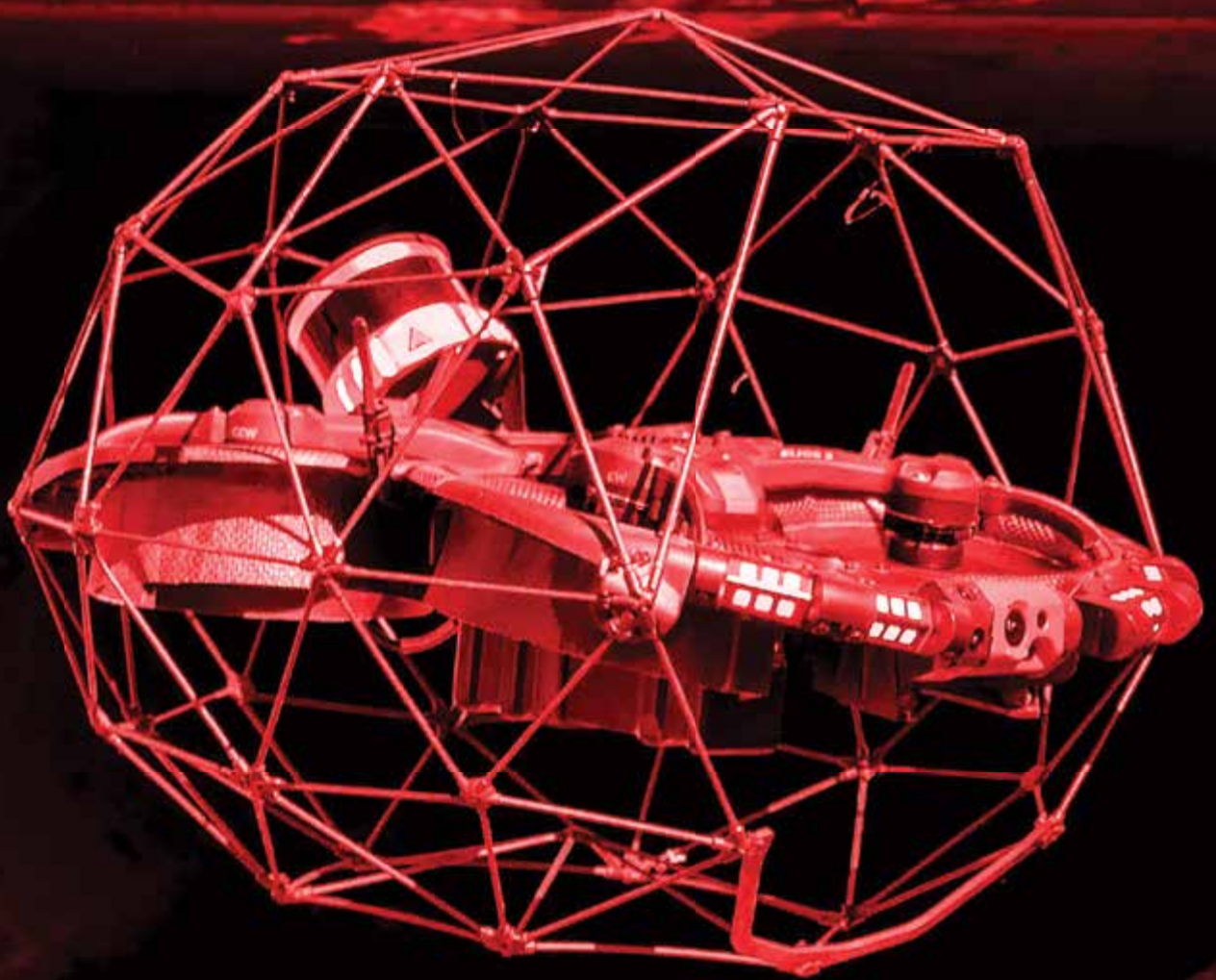
Expert repair and remediation services ensure the longevity of your infrastructure

- Early Contractor Involvement (ECI) to support the early stages of planning, project assessment, design and the initial phases of critical infrastructure maintenance projects
- Tunnel rehabilitation and strengthening through
 - Rock bolting/mesh installation
 - Desilting services
 - Large trunk main sewer tunnel rehabilitation including the repair and restoration of critical underground infrastructure
- Access shaft restoration and construction
 - Access cover manufacture and replacement.
 - Access structures installations including ladders, steps and platforms and other steel work
- Maintenance and upgrade work to plant structures
 - Removal, installation, and repair of penstocks, stop board guides and overflow structures
 - Wet wells, pump stations, syphons, water and wastewater treatment plants
 - Preventive maintenance of machinery, equipment, and operational assets
- Concrete repair, linings and coatings
 - Carbon fibre reinforcement installation
 - Specialist epoxy repairs and coatings
 - Cathodic protection installation
- Ultra-high-pressure water jetting including hydro-demolition
- Shotcrete and Guniting applications including Calcium Aluminate Cement (CAC)
- Crack injection and expansion joint repairs using grouting, pressure grouting, cementitious grout, epoxy injection, hydrophilic sealants, and resins

THE METROCORP APPROACH

We invest in ensuring clarity before we commence a project by identifying the issues upfront and prior to commencing any work. This reduces risk, ensures effective and efficient delivery and a common understanding of what we will do and what we will deliver.

- Our approach is based on project management 1st Principles:
 - Determining the best approach for the project:
 - Understand the job - What are the exact problems that need to be solved
 - Consider the environment.
 - What makes the customer and project unique
- What are the constraints:
 - Environment e.g. access, dust, noise
 - Safety considerations
 - Operational impact
- Confirm the engineering solution to implement
- Documentation requirements
 - Pre-project
 - During the project
 - Post-project
- What services are required
- What skills are needed - Experienced and trained people



**"WE'VE BEEN
INNOVATING FOR
30 YEARS"**



WHO WE WORK WITH

Building on decades of experience in water and wastewater infrastructure maintenance and reclamation, we have steadily expanded to provide our Access, Inspection and Repair services in other select industries.

● WATER, WASTEWATER, STORMWATER ●

As an asset owner or manager of water infrastructure, you understand the critical role that your assets play in ensuring smooth-running community services.

However, maintaining the reliability and longevity of these assets in the face of harsh environments and challenging conditions can be a daunting task.

● TRANSPORT ●

Rail, Roads and Maritime

Millions of Australians depend on well-maintained transportation infrastructure every day. These assets are crucial for sustaining a productive economy and a socially connected community.

Metrocorp serves all sectors of the transport industry, providing Access, Inspection, and Repair services.

● DEFENCE ●

Well-maintained defence infrastructure assets are crucial for ensuring ongoing operational readiness. In challenging and often hazardous environments, maintaining the reliability and longevity of our defence infrastructure is a complex task that requires specialised expertise.

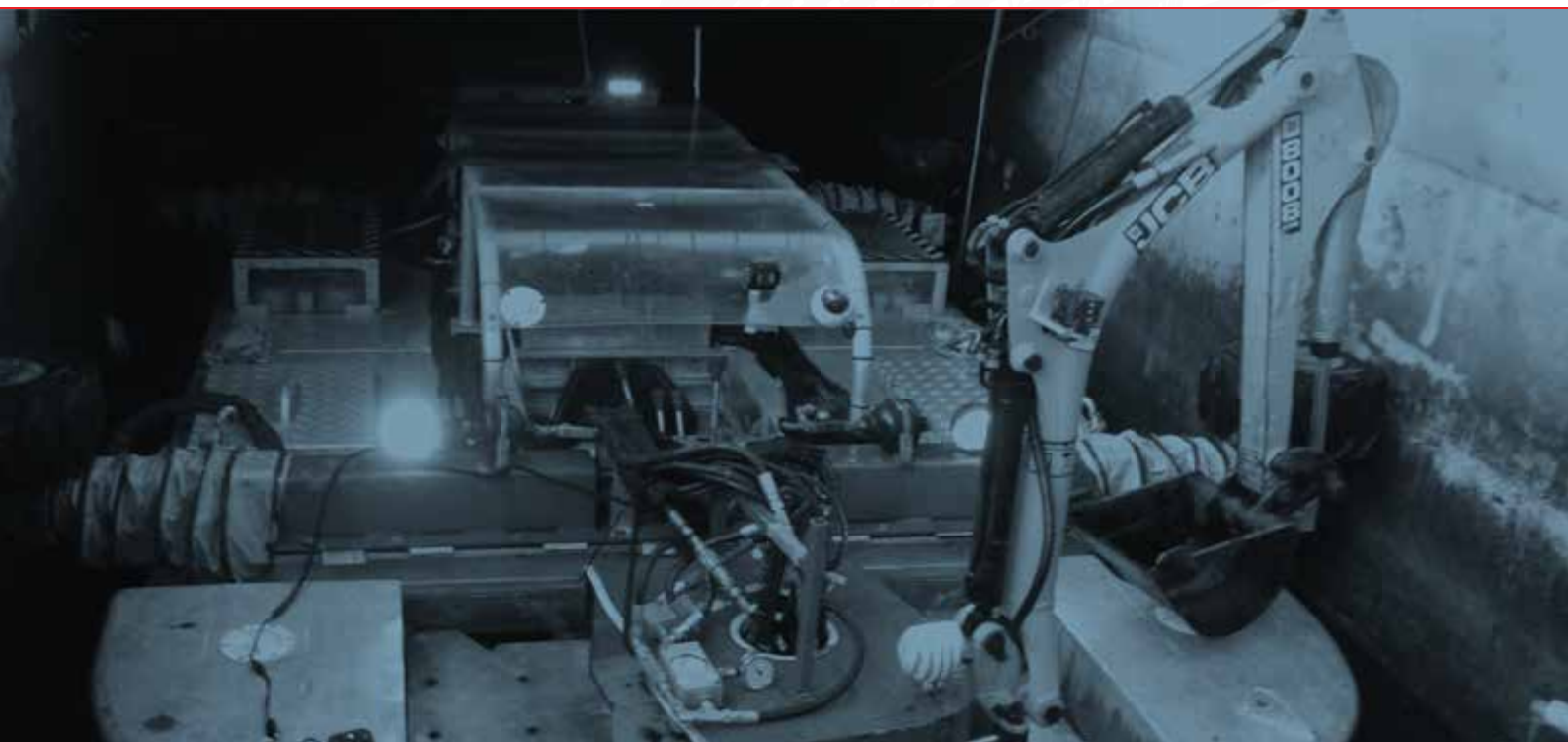
INNOVATION

Innovation has been our key to solving many of our clients most challenging asset maintenance problems. In fact in a number of cases, we have only been able to complete projects because of the innovative solutions we developed that met specific project requirements by improving outcomes in safety, productivity, and cost efficiencies.

Wherever possible we deploy technologies and engineering solutions to reduce the number of workers required, or even remove personnel altogether.

Areas we've innovated in include:

- Hazardous and Confined Space access
- Unmanned inspections
- Communications
- Surface Preparation
- Traversing on foot in flows
- Respiratory protection
- Deep shaft access
- Remote operation of equipment
- Inspection
- Reductions in manual handling
- Evacuation of personnel
- Odour Management





HSEQ ACCREDITATION

Our certification status demonstrates our commitment to continual improvement.

To ensure we safely deliver complex projects to the highest quality standards whilst minimising adverse impacts on the environment and the community, we continue to develop and improve our management systems.

Our accreditations are:

ISO 45001 Work Health and Safety

ISO 14001 Environmental

ISO 9001 Quality Management Systems



LET'S TALK

Talk to us about accessing, inspecting and repairing your infrastructure assets to extend their operational life. No matter where, no matter how hard.

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