

REVOLUTIONISING HAZARDOUS AND CONFINED SPACE INSPECTIONS

Unmanned Drone Access and Inspection Technology



● ACCESS ●

We have a team of highly trained experts accustomed to working safely in the most challenging environments, and have developed numerous technologies and techniques to do so efficiently.



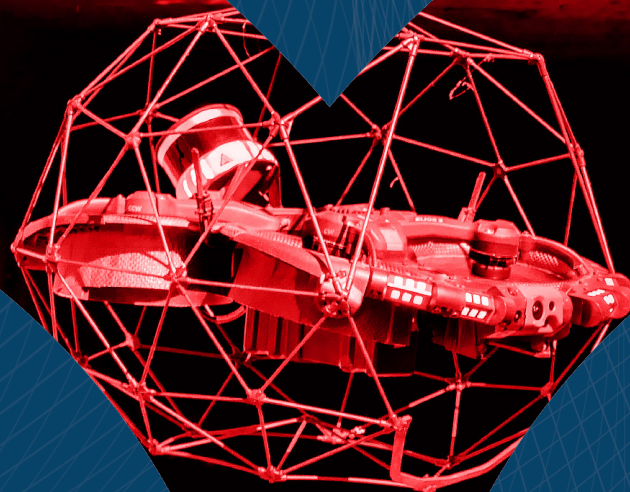
● INSPECT ●

We know how to access infrastructure underground, at height and in confined spaces. As well as our technicians, we also use highly specialised drones and all-terrain pipeline robots for remote video and 3D mapping.



● REPAIR ●

We offer a full range of repair and remediation services to ensure the longevity of your infrastructure. This document looks at our concrete remediation activities.





FAST, SAFE, EFFICIENT

All infrastructure assets need to be periodically inspected. But some present hostile challenges and hazards. Height, confined space, noxious gases... and that's AFTER you may need to shut down operations. It gets expensive and dangerous.

Not anymore.

Drone-based inspection is no longer a technology of the future. Metrocorp has invested in world-leading technology that not only overcomes access issues with ease, it also adds valuable layers of digital mapping data in real time.

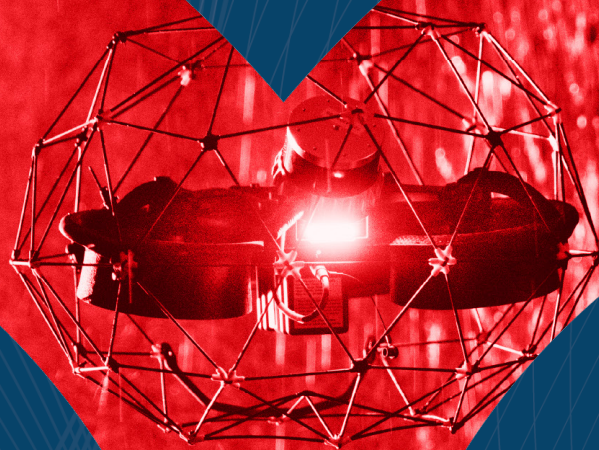
- **Safety:** reduces or eliminates the need for personnel to enter potentially dangerous environments.
- **Efficiency:** faster than traditional methods, minimal setup and operational disruptions can be avoided. A 9-minute flight can inspect and analyse up to 300m.
- **Cost Reduction:** no more expensive scaffolding, rope access, and other specialised equipment. A single drone operator is all that's required.
- **Enhanced Video and Precise Data Accuracy:** on-board dust-proof illumination, high-resolution zoomable cameras, stabilisers and digital scanning arrays capture precise measurements and geolocation of defects
- **Live Reviewing and Reporting:** 3D photogrammetry images and data can be displayed on any mobile phone or computer in real-time. Direct the operator to focus on what you want and make faster, data-driven decisions. All video and data is automatically mapped and retained in reports.

INDUSTRIES WE SUPPORT

Metrocorp works across all sectors of these industries, providing Access, Inspection and Repair services:

- Water, Wastewater, Stormwater
- Transport – Rail, Roads and Maritime
- Defence





A HISTORY OF INNOVATION

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

Wherever possible we deploy technologies and engineering solutions to reduce the number of workers required, or even in the case of drone and all-terrain pipeline robot inspections, remove personnel altogether.

HSEQ ACCREDITATION

Our certifications demonstrate our commitment to delivering complex projects to the highest standards.

ISO 45001 Work Health and Safety

ISO 14001 Environmental

ISO 9001 Quality Management Systems



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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