

FLOAT PRO INSPECTOR

“To bravely go where no man can go”

We supplement our decades of experience maintaining infrastructure assets at optimal capacity with the very latest technology to make our work safer, faster and more cost-effective.

We are pioneering unmanned inspection robots and drones in Australia.



• ACCESS •

Revolutionising fast, safe access to pipelines and sewers.



• INSPECT •

3D mapping, video and sonar scanning



• REPAIR •

Repair and remediation services ensure the longevity of your infrastructure.





Metrocorp has spent 30 years accessing tough environments, But there are some even we couldn't get to.

Until now.

Introducing **Float Pro Inspector**, the only way to access, analyse and datamap flooded infrastructure such as pipes and sewers that before now would need to be shut down and dewatered to allow human access.

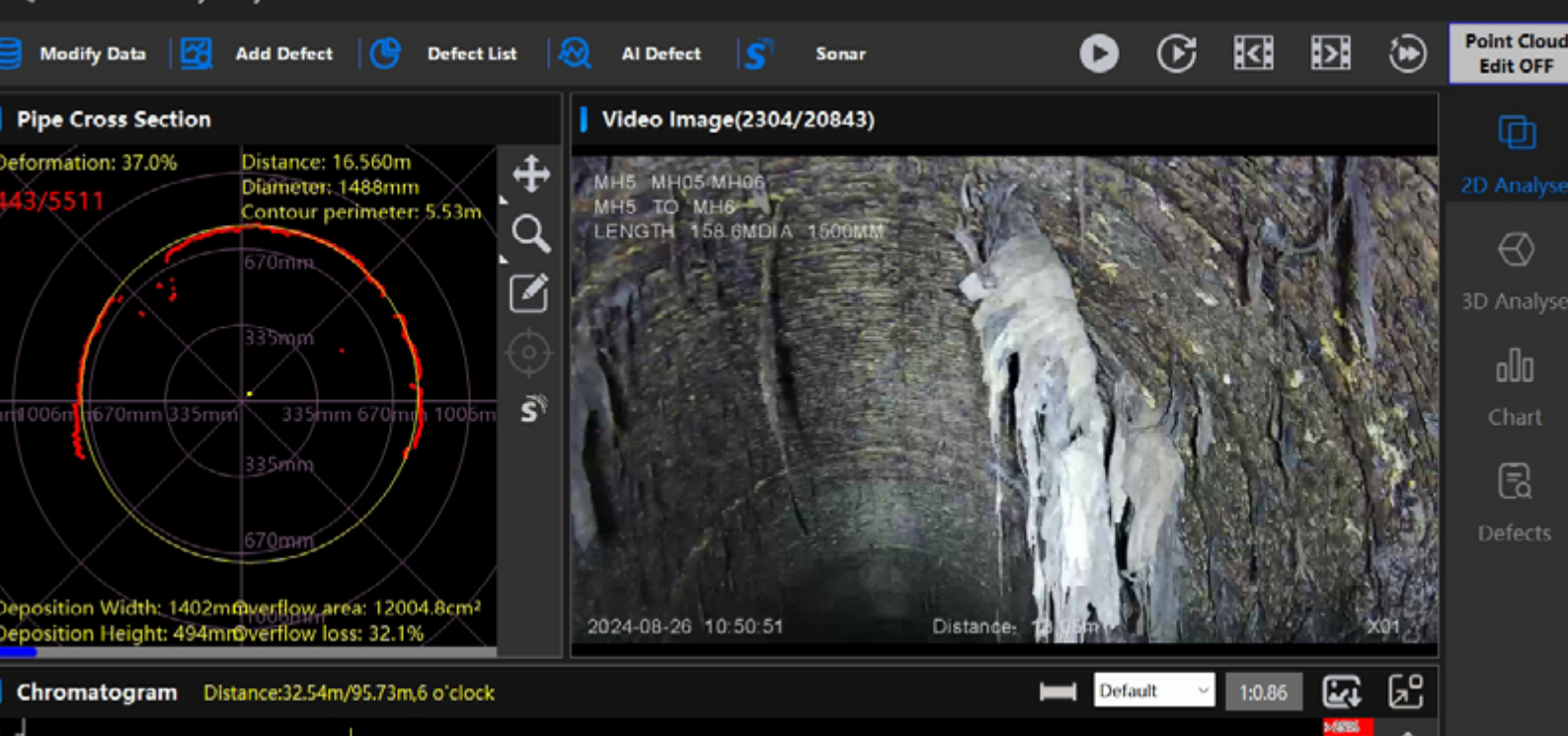
WHAT IS FLOAT PRO INSPECTOR?

Think of it as our remote drone for wet environments - a high-tech unmanned flotational unit that provides detailed sewer and pipeline inspection.

Proactive maintenance, issue detection and structural condition analysis in sewer systems, stormwater pipes, tunnels, and other enclosed flooded spaces all become far easier thanks to the Float Pro Inspector's ability to navigate flooded environments.

The benefits to infrastructure owners and operators include:

1. Multi-dimensional data capture provides detailed structural analysis: High-resolution 3D video and data imaging, sonar, and 2D lidar scanning.
2. Versatile penetration capabilities: It can navigate up to 2km in flooded environments where conventional robots can't operate. Its powerful spiral rotator can deal with constricted and silted up pipes.
3. Comprehensive inspection capabilities including:
 - Measures water levels and silt depth
 - Analyses pipe deformation rates and cross-section loss ratios
4. Eliminates risk: Reduces the need for human entry into hazardous environments and confined spaces like tanks, pipelines and trunk main sewers..
5. No need for operational disruption: Avoids expensive, messy and difficult pipe dewatering.
6. Fast and cost-Effective: Bypassing the need for time-consuming human entry and specialised equipment, it cuts down on inspection costs.



WHERE CAN THE FLOAT PRO INSPECTOR HELP?

Typical applications include:

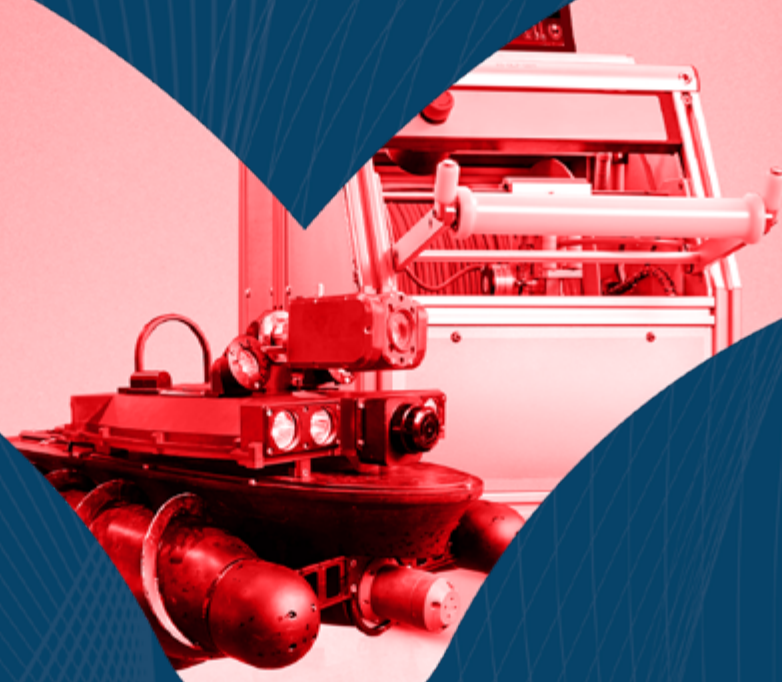
1. Sewer Inspection: Assess the structural integrity of sewer systems, identifying areas of damage or blockage without human entry.
2. Stormwater Pipe Analysis: Evaluate the condition of stormwater pipes, especially after severe weather events, to prevent flooding.
3. Tunnel Examination: Inspect water-filled tunnels in mining or infrastructure projects for safety and maintenance purposes.
4. Culvert Assessment: Analyse the condition of box culverts and other water passages under roads or railways.
5. Emergency Response: Quickly assess flood-damaged infrastructure to prioritise repairs and ensure public safety.

AVOID THIS



WITH THIS





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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