



PIPEHAWK
UTILITY MANAGEMENT

C O R P O R A T E P R O F I L E



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ABOUT PIPEHAWK

WHO WE ARE

Pipe Hawk Utility Management are industry specialists in CCTV pipe & conduit inspections, drain cleaning, subsurface utility locations and no dig pipe repairs. Our state of the art equipment and technology provides an efficient cost-effective solution and all reporting is completed on site without delay. Pipe Hawk Utility Management has the capacity to deliver both large scale and small projects for councils, civil contractors, engineers, consultants, designers, surveyors, water authorities and residential owners. We work predominately on the eastern seaboard with offices in Ormeau (QLD) and Hallam (VIC) and will travel nationwide upon request.



CUTTING EDGE EQUIPMENT

CCTV PIPE & CONDUIT INSPECTIONS

- We utilise the latest iPek Rovion CCTV systems from Germany with cables up to 500m in length
- We also have 4WD units available for off-road applications. These systems can inspect pipes or conduits from 150mm to over 3m
- Pearpoint push cameras for smaller conduits, 40mm – 100mm
- WinCan V8 and WinCan VX reporting software

DRAIN CLEANING

- 8000L Kroll Recycling Unit (QLD) and a 12,000L Larsen Recycling Unit (VIC)
- Cappellotto Combo Drain Cleaner/Hydro Excavation unit (VIC) & (NSW)
- DCS Jetting Unit (QLD)

SUBSURFACE UTILITY LOCATIONS

- We use an array of electromagnetic (EMI) locators and ground penetrating radar's (GPR's) to accurately locate underground utilities
- Utility location vehicles are also equipped with push cameras to accurately locate junctions, defects or points of interest
- Hydro-excavation (also known as NDD or potholing) and utility survey can be arranged by our sister company

NO DIG PIPE REPAIRS

- Epros drain packer for pipe patching/repairs in pipes 100mm to 600mm in diameter
- Efficiently repairs various defects including groundwater infiltration, damaged lifting points, cracks, fractures, breaks, holes, joint displacements, mechanical wear and corrosion
- Avoids costly and messy excavations to repair pipes



ABOUT PIPEHAWK

WHO WE WORK WITH

COUNCILS

Pipe Hawk has worked extensively for major councils in QLD, NSW & VIC. We have a proven track record of delivering large scale projects to Councils on time, with superior quality data and zero harm to our employees and the public.

CIVIL CONTRACTORS

Civil contractors use Pipe Hawk for a variety of services, including subsurface utility locating, high pressure pipe cleaning, CCTV condition inspections and pipe repairs/patching.

ENGINEERS, CONSULTANTS, DESIGNERS

Pipe Hawk's array of in-house services enable us to manage all aspects of projects from start to finish, including, traffic management, subsurface utility locating, Non Destructive Digging (NDD), drain cleaning, CCTV inspection, survey, drafting as well as project management.

SURVEYORS

Using an array of geophysical, electromagnetic and high frequency induction techniques, Pipe Hawk provides accurate, subsurface information to surveyors.

WATER AUTHORITIES

Water providers trust our services for large scale projects. Our company has extensive experience delivering projects of up to and over 200km to Queensland Urban Utilities and SEQ Water as well as various smaller water boards.

RESIDENTIAL OWNERS

Our team assists residential owners with a wide variety of services, including locating the underground utilities within your property, CCTV of pipes or conduits to determine whether there's damage or blockages, unblocking blocked pipes with high pressure jetters and repairing damaged pipes or conduits.





WHY CHOOSE US



Pipe Hawk brings this state of the art technology to locations across Queensland, New South Wales and Victoria.





CCTV CONDITION ASSESSMENTS

Pipe Hawk are industry leaders in CCTV Camera Inspections for pipes and conduits of all sizes. From full network investigations for councils or civil contractors to simple domestic inspections, we can cater for any project.

Our state of the art camera equipment takes all the guess work out of determining the condition of pipework as well as locating the exact point on the surface where the issue or defect is. Pipe Hawk's high quality colour cameras clearly highlight the condition and grade of a pipe, exposing any breakages or obstructions such as tree roots, dirt or gravel. Snapshots can be taken at points of interest. The finished project is then stored on a flash drive, coupled with a hardcopy WinCan Report which is given to the client as part of a package upon Pipe Hawk's departure from site.

Our reporting adheres to all council, industry and WSAA reporting codes and standards and can be easily customised to match project specific requirements. Pipe Hawk currently operate WinCan V8 and VX reporting software.

CCTV EQUIPMENT

Ipek Rovion CCTV Systems:

- Can inspect pipes from 100mm to 3m+
- 500m camera cable
- Built in inclination reporting
- Built in sondes for accurate locations
- High quality, pan / tilt / zoom camera head
- Hard and soft copy reporting done quickly on site

Pearpoint Push Cameras:

- Can inspect pipes from 50mm to 150mm
- 60m or 120m camera options
- Built in sondes for accurate locations
- High quality camera footage
- Videos saved to flash drive on site for the customer











SUBSURFACE UTILITY LOCATIONS

The underground service locating professionals of Pipe Hawk Utility Management have a sole mission to safely provide quality infrastructure protection services to all our customers. We provide a cost-effective solution to protect all underground services using our state of the art equipment and highly experienced locating professionals.

Our advanced locating equipment can easily pinpoint the alignment and depth of underground services, allowing you to make informed decisions regarding design or excavations in the area. All locations are carried out to the latest Australian Standard, AS5488.

LOCATABLE SERVICES

 Gas	 Water	 Metal and PVC Pipes	 Fibre Optic Cables
 Sanitary	 Sewer & Stormwater Pipes	 Telstra & Communications Cables	 High Voltage and Low Voltage Power

KEY FEATURES

- Using an array of geophysical instruments and techniques, we provide subsurface information that enables a realistic and viable construction design
- All locations carried out to AS5488

EQUIPMENT & TECHNOLOGY

- Electromagnetic induction (EMI) locating equipment
- Ground Penetrating Radar (GPR)
- Pearpoint push cameras
- Flexible trace rods and sondes

ACCREDITATIONS

- DBYD accredited locators
- Telstra accredited locators
- Optus accredited locators





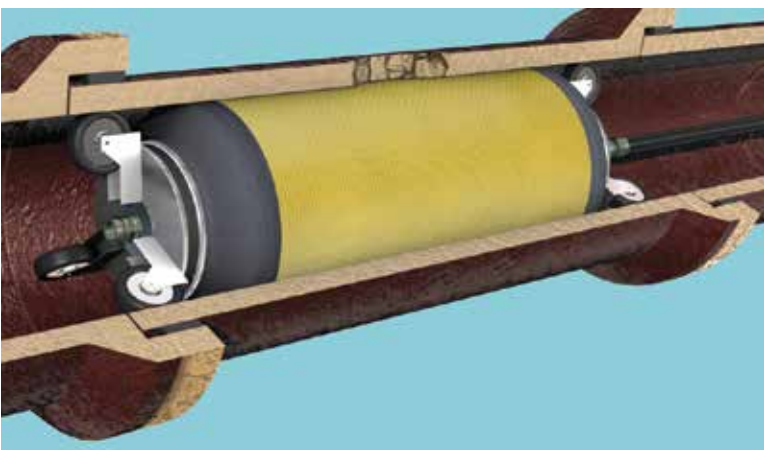
DRAIN CLEANING AND CCTV

Pipe Hawk Utility Management have formed a strategic partnership with Patriot Environmental who are experts in high pressure drain cleaning. Patriot have vast experience in cleaning stormwater, sewer pipes, culverts, gullies and drains. The Recycler Combination Unit is able to remove a range of materials and waste debris from sewers and drains, including oily waste, dirty ballast, sludge, sewage, tree roots, debris, sediment, grease, silt and sludge.



NO DIG REPAIRS

Pipe Hawk Utility Management have the capability to patch joints or pipe sections internally using our Epros drain packer, without any excavation required. Patches are 600mm in length and can be installed in pipes from 100mm to 600mm in diameter. Each patch installed comes with a warranty of 100 years.



PURPOSES

- Cleaning sewer pipes, stormwater drains & culverts
- Drain cleaning of silt, debris and fats
- Flood recovery works
- Clearing of blockages and root removal
- Transportation and waste disposal
- CCTV surveys to assess the condition of pipes
- Manhole cleaning
- Reservoir and pump station cleaning
- Gross pollutant trap cleaning
- Tank, well and vessel cleaning

EQUIPMENT

Patriot has the latest in High Performance European Recycler Industrial Vacuum Drain Cleaners. These units utilise the most advance water recycling technologies in the market place to provide the most efficient Combination Water Recycling for effective drain cleaning and vacuum recovery.

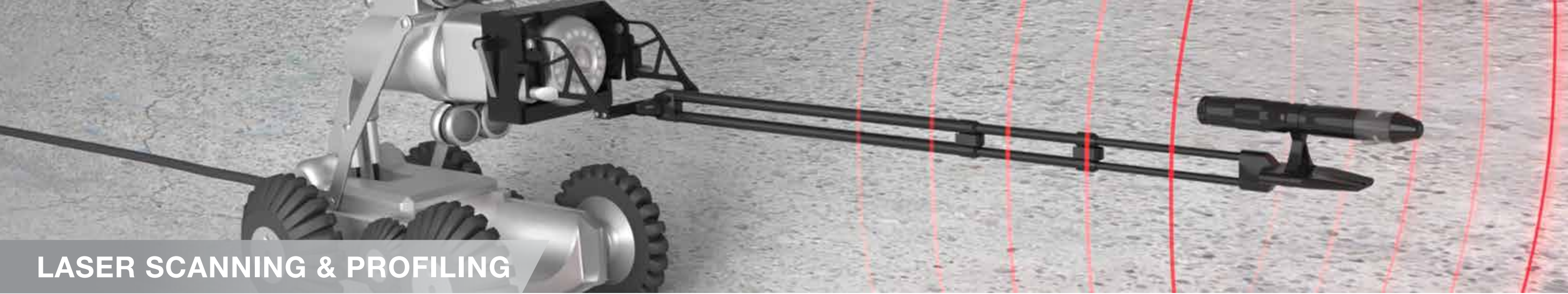
- Kroll Recycler Combo Unit
- J. Hvidtved Larsen RECycler®
- Cappellotto Recycler Units

APPLICATIONS

- Leakage with or without groundwater infiltration or ex-filtration at pipe joints, pipe walls, lateral junctions etc.
- Offset pipes, cracks and debris, ruptures
- Mechanical wear
- Corrosion

BENEFITS

- Repairs damage in the pipe and joint region over a length of 0.6m
- Enables installers to close lateral junctions.
- Repairs pipes of nominal diameters from DN 100 to DN 600.
- Can repair circular pipes made of concrete, asbestos cement, plastics (PVC, PP, HDPE), cast iron, ductile cast iron, reinforced concrete and vitrified clay.



LASER SCANNING & PROFILING

Pipe Hawk Utility Managements iPek laser profiling system provides computer generated pipe profile data. The laser profiler assesses the condition of a pipe by measuring the internal diameter, ovality and capacity of a length of pipeline.

Laser profiling equipment is attached to existing CCTV cameras. In situ footage is captured by the cameras and then computer analysed to produce the end user condition reports. All reporting is completed on site using the latest industry software, WinCan VX.

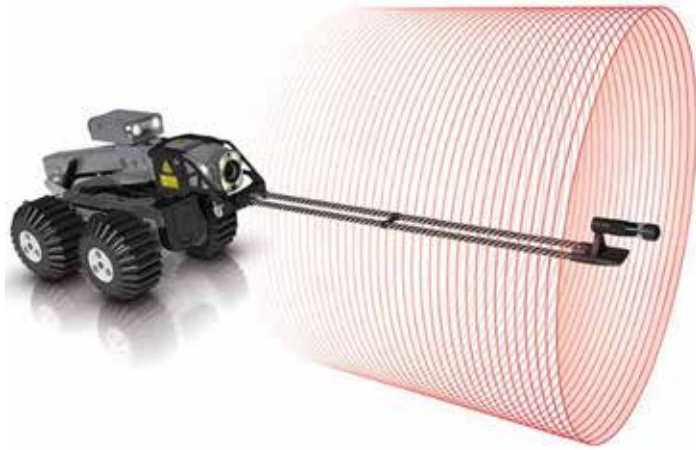


PROCESS SUMMARY

- A ring of laser light is projected onto the internal pipe surface
- Laser image is captured by CCTV whilst the camera moves through the pipe
- Analysis is performed on the ring of light using specialised software to build a digital pipe profile

TYPICAL APPLICATIONS

- Determining the internal cross-sectional area of a pipe
- Analysing capacity loss due to deformation
- Analysing capacity loss due to corrosion
- Quality assurance of new applications
- Post-rehabilitation pipeline assessment
- Quantifying defects, holes, and other imperfections on existing and new assets
- Measuring pipe diameter





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