

## COMMERCIAL

Major suburban shopping centre experiencing regular blockages in major tenancy toilets. CCTV to view pipes and establish position and cause of blockage. Badly scaled cast iron pipes were found to be the problem. Pipes descaled utilising specialised sewer pipe cleaning tool, currently the most effective on the market. Relatively quick and inexpensive solution of the problem; prevented costly dig up & replacement of pipes; minimal disruption to tenancy business.

## EDUCATION

Blocked drains in schools. CCTV to view pipes and establish position and causes of blockage. Dependant on the causes, pipes are cleaned, repaired or pipe rehabilitation.

## HEALTH

Major city hospital with regular blockages in pipe work. Cast iron pipe work coming out of the bottom of a multi storey building was badly scaled and causing blockages. Pipes were descaled and relined. Relatively quick and inexpensive solution restoration of services to acceptable standards for hygiene and bacteria control. Replacement of pipe not possible without major disruption and cost.

## RETAIL

Major franchise fast food chain with a broken underfloor. Confined Space Entry to void beneath underfloor to ground. Technician was required to crawl 10 metres through the waste to repair the broken sewer trap.

## INDUSTRIAL

Christies Beach, West Beach, Glenelg Pump Stations. Confined Space Entry to Conventional Pump Stations to remove silt and debris from pump chambers.

## MINING

Olympic Dam, Roxby Downs Far North SA – CCTV inspection of pipework.

## GOVERNMENT

Ongoing service to SA Water for 24/7 sewer blockages & overflow of work for United Water; Councils – sewer, storm water, CCTV inspections, Gross Pollutant Trap cleaning ongoing

## RESIDENTIAL

Small and large residential buildings, Individual domestic homes, Retirement villages, High rise Apartment buildings Leak detection in domestic houses utilising listening devices. Can pinpoint water leaks without the expensive and disruptive alternative of digging up driveways or demolishing walls.

## CULTURAL & RECREATIONAL

Major Council Public Swimming Pools. Significant water loss from pool recognised from water meter readings. Joint venture with Smith Brothers Plumbing Construction division to reline and sleeve the existing host pipes under the pool by Pipeline and repair and replace pipe work surrounding the pool. Significant savings – otherwise would have had to dig up the pool to get to host pipes beneath the pool.

## REGIONAL

Major regional hospital – CCTV to investigate leaks; major regional gaol – desludging septic tank and sewerage ponds.

## REMOTE

Daguragu Aboriginal Community, 500 Km SW of Katherine Northern Territory. Viewed & cleaned sewerage system which had never been done before due to isolation of community.

## NATIONAL

Shopping Centre Sydney NSW. Total electronic scan of shopping centre car park to assist engineers in design of new buildings. Using GPR to find services for design and construction of new Cairns Airport. Milang – unblocking pipe work in milling factory. Factory floor was flooding, hygiene and bacteria control issue.

*putting technology to work*



- Trenchless Technology
- Pipe Rehabilitation & Re-lining
- Sewer and Stormwater Cleaning
- Hydrojet & Vacuum Recovery Units
- Confined Space Entry Specialists
- Location of underground services
- CCTV inspections