

INDUSTRY, COMPANY AND INSTITUTION NEWS AND RESEARCH



PLANNING FOR AUSTRALIA'S AGEING INFRASTRUCTURE

With so much of Australia's water and sewerage infrastructure built before the 1970s, many water, wastewater and stormwater assets are reaching the end of their expected 50-year lifecycle, a phenomenon known as the 'infrastructure cliff'. Risks associated with ageing infrastructure are compounded by pressure caused by Australia's ever-growing population, and the impact of increasingly frequent extreme weather events. This makes it more important than ever for utilities to assess the condition of their assets, and to develop a maintenance and repair programme to ensure infrastructure assets can service the community for the future.



Australia's infrastructure is fast approaching the 'Infrastructure Cliff that is the end of its 50-year life expectancy.

Infrastructure Australia recently released its Australian Infrastructure Audit 2019, a comprehensive analysis of Australia's infrastructure. The report identified that addressing Australia's ageing infrastructure is fast becoming an urgent issue, and cited pressures such as growing population; a rise in the number of single-person occupied homes, which is expected to increase by more than 60% by 2036; and the increasing frequency of extreme weather events caused by our changing climate.

However, despite these trends, Australia ranks below average for infrastructure investment among other countries in the Organisation for Economic Co-operation and Development (OECD).

INVESTING IN THE FUTURE

According to John Adamo, Far North Queensland Operations and Business Development Manager for Interflow, one of Australasia's leading solution provider for water infrastructure works, investing in water asset renewal is more important than ever.

"Assets across Australia are fast approaching the 'infrastructure cliff', the end of their 50-year life expectancy," Adamo said. "The infrastructure boom went for about 30 years, so the infrastructure cliff will span over about 20 years, depending on what part of Australia you are in. However, many councils do not have the funds to jump on repairing things; they need to programme the work when the funds are available. But a lot of councils are struggling to establish a programme of works that will ensure they rehabilitate the correct sewers, before their sewers actually collapse or stop working."

Currently, about 196 businesses and local government supply water and wastewater services to Australia's cities and towns, and a number of smaller operators provide local and specialised services, including to remote communities.

GET THE PICTURE

Infrastructure Australia's report warns that not renewing assets when their condition is compromised can lead to significant financial and service costs in the longer-term. However, it identified that asset owners are lacking information about the age, condition and capacity of urban water assets to make informed decisions. And what is known is not publicly reported in a consistent manner.

Adamo said the best way for asset owners to better understand the structural condition and serviceability of its sewer pipes was to carry out an assessment.

"Interflow works with its clients to carry out a condition assessment, which is a programme to clean and conduct CCTV inspections, of the sewer lines using remotely operated cameras." Adamo said.

SPONSORS LINKS

Click Logo for weblink



McElroy Manufacturing is the leading manufacturer of polyethylene pipe fusion equipment and provider of customer-driven solutions to PE engineers and contractors worldwide.



Steve Vick International designs and manufactures products for the trenchless renovation and decommission of pipes worldwide. Products include Pipe Coil Trailers, Pipe Handlers and Pipe Cutting Equipment.



Akkerman develops, manufactures and supports quality pipe jacking, tunnelling, microtunnelling and guided boring equipment for the accurate installation of underground infrastructure for an extensive range of diameters and geology.



In-house developer and manufacturer of lateral cutters, high-speed drain cleaning equipment, pipe coating systems, collapsed liner removal, root and scale removal tools.



C J KELLY INTERNATIONAL LTD
Specialists in Trenchless Technologies

Official partner offering sales, Support, training and consultancy Services across the UK and Eire for Brawoliner, MC Building Chemicals, Picote, Härke, Osscad, Spray liner and Patch Box.



UK TRAINING

CERTIFIED COURSES:
MILLER RANGE | LATERAL REINSTATEMENTS |
PICOTE BRUSH COATING™ | CONNECTION COLLARS |
PICOTE IN-HOUSE REHABILITATION



Picote UK, 1 Vulcan Close, Sandhurst, Berkshire, GU47 9DD
Email: steph@picotesolutions.com Call: 07771 872106

www.picotesolutions.com/resellers

INDUSTRY, COMPANY AND INSTITUTION NEWS AND RESEARCH



“In doing that we come up with a WASA wind cam report, which categorises the condition of the sewer lines on a 1:5 basis, with one being in good condition and five needing urgent and extensive repair. This enables councils to put together a programme of works for coming years; so this year’s works are based on last year’s assessments, and the condition assessments that get done this year will inform next year’s rehabilitation.

“This will give asset owners the information they need to address issues before they become significant faults, while receiving maximum value from existing infrastructure, and delivering reliable services to their customers into the future.” Website: www.interflow.com.au

SPONSORS LINKS
Click Logo for weblink



Trenchless Group offers expert, cost-effective No-Dig solutions from contracting services to hire and sales on a wide variety of trenchless equipment across the UK and Ireland.

SVI EMPLOYEE WINS ENGINEERING APPRENTICESHIP AWARDS

Steve Vick International is delighted to announce that Nicole Fever, R&D Technician Apprentice has won two awards in recognition of her outstanding commitment to her studies throughout her Level 4 Higher Engineering Apprenticeship in Manufacturing.

Nicole was first awarded Engineering Apprentice but then went on to win the highly prestigious Outstanding Apprentice of the Year at the Wiltshire College Apprenticeship Awards 2020. Nicole studied the apprenticeship at the Wiltshire College & University Centre alongside her role at Steve Vick International (SVI). Nicole joined SVI on the 17 August 2017 as an apprentice in the Research and Development department. She had already achieved an L3 BTEC Engineering qualification and so was well placed to take on the higher-level apprenticeship.

On starting her role with Steve Vick, Nicole brought a sound knowledge of engineering practices, gained from her L3 BTEC, which she set about using with great enthusiasm. She went on to complete, with distinction, an NVQ4 which proved that she could apply the theory she had been taught into her day to day work. Nicole’s tutor commented: “Throughout her apprenticeship, Nicole always responded fully to the actions/targets agreed at each Assessor visit. She was a pleasure to work with, and the portfolio of evidence that she produced was of excellent quality.” Nicole has worked on a range of projects at Steve Vick International including working on modifying the applicator gun for RSI. She has also worked on: Annular Endseal systems, RSI Sealant Removal, Nuclear foam bags, ESEAL 2, and other test work.



Nicole Fever receiving her Apprenticeship Awards.



RSM Lining Supplies offers CIPP lining systems, materials and ancillary equipment as well as expert lining consultancy services worldwide.



Flexible sliplining solution for the trenchless rehabilitation of pressure pipes.



“MCELROY DEFINITELY DID A FASTER AND BETTER JOB FOR US.”

Don Gabbert

TRUST IN A JOB WELL DONE

With the most reliable fusion equipment and a nationwide distribution network ready to support you with operator training, parts and service, you can have the confidence to do your best work and get the job done right.

Read more about Don’s experience at mcelroy.com/twm



© 2019 McElroy Manufacturing, Inc. All Rights Reserved.