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WATER INFRASTRUCTURE GROUP WINS AWARD FOR REHABILITATION PROJECT OF THE YEAR

Water Infrastructure Group's Bondi Ocean Outfall Sewer (BOOS) Rehabilitation project, which involved rehabilitating 911 metres of sewer with two different relining technologies for Sydney Water, won this year's Australasian Society for Trenchless Technology (ASTT) Rehabilitation Project of the Year Award.

The project began in January 2010 and is part of Sydney Water's \$A560 million SewerFix Program to improve the sewerage system and help protect community health, the local environment and beaches. The 120-year old sewer is heritage listed and is a significant part of Australia's engineering history.

The hotly contested Australasian Society for Trenchless Technology Awards recognise excellence, innovation in concept, novelty in technology, environmental benefits, occupational health and safety benefits, and outstanding achievement in Australasia's Trenchless Technology industry.

Water Infrastructure Group project manager, John Gillan, explained that it is crucial to keep the BOOS in a good structural condition as there is no alternative to collect and transport the sewage from Sydney city, inner west and eastern suburbs.

"We used a combination of two technologies. Our own propriety Panel Lok uPVC lining system and Calcium Aluminate Cement (CAC). This project was the first time that Sydney Water had used CAC on a large scale for sewer rehabilitation."

"Water Infrastructure Group has a lot of experience in applying CAC products and as part of this project conducted a large scale trial of two commercially available CAC products. We worked in close cooperation with Sydney Water, their consultant KBR and the CAC product suppliers BASF and Kerneos and a NATA accredited testing agency. A significant outcome of the trial was the technique we developed to achieve consistent bond strength between CAC and brickwork. Previously, there was no data available on bond strengths but we now have a good understanding of the issues and a reliable technique to achieve the performance results we want," John explained.

Brian Mahon, Water Infrastructure Group Manager Construction, said that Water Infrastructure Group had developed its Panel Lok™ lining system into a highly refined, efficient and cost effective process.

"Our Panel Lok system is ideal for relining a wide range of pipes and we have focussed on developing it for oviform pipes like the BOOS. This was quite a challenging project and it is pleasing that our systems performed so well."

"The BOOS project was also highly successful from a safety and community point of view where we achieved fantastic outcomes in the third party audits. This is particularly significant given that the work was carried out at night, in live flows and at depths underground of up to 28 metres. All this work was carried out in busy residential areas at North Bondi and Bellevue Hill."

"It's great to see this project win the rehabilitation project of the year award. We had a great team and very rewarding to see their efforts recognised," Brian said.

More information

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About Water Infrastructure Group

Water Infrastructure Group provides a unique combination of design, build, operate and maintenance services. We offer sole-source accountability for streamlined delivery of sustainable water infrastructure to meet community and business needs.

Our holistic approach to infrastructure delivery results in:

- Award winning innovation
- Reduced costs
- Guaranteed performance
- Individualised solutions
- Comprehensive environmental compliance
- Enhanced risk management

Water Infrastructure Group is an Australian leader in water recycling and Australia's largest supplier of Class A recycled water for farming and residential use. We have led the way with the introduction and regulatory approval of microfiltration technology for water recycling and our innovation and contributions to the water industry have been recognised by Australian and international excellence awards.

We have an extensive track record in the delivery of water and sewage treatment plants and we are one of Australia's leading infrastructure rehabilitation specialists, providing services such as pipeline inspection, assessment, linings, coatings and major valve work.

Formed in 2008, Water Infrastructure Group has over 200 people and combines the complementary skills of the former Earth Tech water projects group with Tyco's Water Technology Australia and Water Services businesses to deliver an expanded range of services that cater for the needs of customers and current developments in the water industry. More information about Water Infrastructure Group can be found at www.wigroup.com.au.

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