

Water Infrastructure Group

Advanced Membrane Technology

Water Infrastructure Group is leading the way in the use of advanced membrane technology to provide high quality water treatment solutions.

Peter Everist, Water Infrastructure Group General Manager said that membrane technology is a sustainable and scalable solution for producing water that can be tailored to suit the raw water quality and the product water end use.

“Membrane technology can be used to create a relatively secure supply of fit for purpose water that augments and frees up other water resources for potable water supply, irrigation and environmental flows.”

“The modular nature and small footprint of this technology means that as well as being suited to the traditional approach of building large plants and pipeline networks, we can also look at options of building smaller plants to produce water at the end use location,” Peter said.

In South Australia, Water Infrastructure Group delivered 16 ultrafiltration units for nine towns along the Murray River. The 900 kL/d units are designed to filter turbid water from the Murray River to augment potable water supplies for the towns.

In Western Australia, Water Infrastructure Group delivered three 500 kL/d containerized, continuous ultrafiltration water treatment plants for remote townships to filter bore water that was high in organics.

Owen Jayne manages Water Infrastructure Group’s Adelaide office and specialised workshop facility.

“We manufacture the skids and prefabricate membrane modules, including control panels and instrumentation, in our workshop facility to fast track construction and installation.”

“We retain tight control of quality standards and undertake Factory Acceptance Testing prior to shipping. Our real world knowledge of how to build and operate these plants also feeds back into our design and manufacture processes so that we are continually refining and improving our plants, and adding value for our customers,” Owen said.



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About Water Infrastructure Group

Water Infrastructure Group's unique combination of design, build, operate and maintenance services provides 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.

Some current projects from our portfolio include:

- Adelaide Desalination Pilot Plant
- Barwon Water Biosolids Management Project in Geelong
- Campaspe Water Reclamation Scheme in Echuca
- Eastern Irrigation Scheme in Melbourne
- Mangawhai EcoCare Project in New Zealand
- Moura Wastewater Treatment Plant in Queensland
- Surbiton Park Recycled Water Plant in Melbourne
- Virginia Pipeline Scheme in Adelaide

Water Infrastructure Group 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.

Water Infrastructure Group is a Tyco International Ltd company. Tyco is a diversified, global company that provides vital products and services to customers in more than 60 countries and has 118,000 employees worldwide. More information on Tyco can be found at www.tyco.com.

