

# ADVANCED SOLUTIONS

## Onsite wastewater management and bespoke utility services

The Advanced Solutions Group has been established by Queensland Urban Utilities to promote flexible and agile deployment of bespoke services that meet the evolving needs of our commercial customers. Through our customer insights we recognise the need for alternative service offerings in the areas of onsite treatment options, provision of recycled water and the potential for renewable energy production.

We leverage more than 150 years of water treatment expertise, a large operational capacity, NATA accredited testing facilities and a strong innovation portfolio to provide fit-for-purpose customer solutions. Whether you are looking to reduce potable water use, reduce your liquid waste streams or tap into renewable energy from a bespoke treatment process, Queensland Urban Utilities Advanced Solution Group is positioned to deliver a solution tailored to your needs.

### Changing to meet our customers' needs

The water industry is moving away from large centralised utility functions towards smaller scale distributed solutions with high process efficiencies and the option to recover renewable energy from wastewater treatment.

Queensland Urban Utilities has established new business capabilities to develop innovative solutions tailored to meet customer business needs.

Drawing on the vast experience gained from operating one of the largest and most progressive water utilities in Australia, Queensland Urban Utilities is uniquely positioned to offer distributed solutions services. These range from resilience assessments and design engineering through to turnkey construction and operation of plant and equipment. We also offer integrated solutions for generation of biogas from wastewater treatment processes, and its utilisation for power production and heating.

Our capacity to support your business's water management needs is unrivalled, and is backed by a large and experienced engineering team, an established operations fleet and one of Australia's leading NATA accredited laboratories – Scientific Analytical Services. We also bring the next generations of technological advancements gained from our strategic research and development partners in Queensland Urban Utilities award winning innovation portfolio.

### Our services at a glance

- Network resilience assessments
  - Onsite wastewater plant engineering
  - Provision of recycled water to required classes
  - Renewable energy generation
  - Build-own-operate models
  - Operations support
  - Quality control / laboratory services
- Access to an award winning research and development program and dedicated R&D facilities
- Environmental management





## Network Resilience Assessments

Whilst we continually strive to provide reliable network services to your business, many customers are unaware of their resilience behind the meter. The Advanced Solutions team can provide a comprehensive evaluation of water supply and sewerage services for your business, so you can understand where network or site specific risks may be present, and what options are available to improve your business resilience.

## Distributed Solutions

In some cases a customer's situation may favour onsite water treatment options, particularly where recycled water may be utilised to supplement or substitute potable water use. Queensland Urban Utilities can provide you with a fit-for-purpose distributed solution based on a range of water treatment technology options.

We can design, build and operate systems customised to your specific needs, and have a range of flexible options to help you achieve better water and wastewater management.

## Renewable Energy

Queensland Urban Utilities has extensive expertise in biogas production from the wastewater treatment process, and the utilisation of biogas for power and heat generation. We characterise waste streams to determine suitability for biogas production, and can provide options to generate your own renewable energy.

## Asset Management

Many of our customers have onsite treatment plants to manage wastewater. We understand this may not be part of your core business activities, and our large workforce of experienced wastewater treatment plant operators can assist you in managing your existing assets, providing you a cost effective alternative to in-house management.

## Environmental Management

We have developed the capabilities to help you meet your corporate and social responsibility objectives through alternative and cost-effective management of organic waste. Options may include onsite treatment, renewable energy generation and agricultural land application.



Queensland Urban Utilities NATA accredited Scientific Analytical Services offer a comprehensive range of water and wastewater testing and substrate characterisation for biogas production. Services can be offered as part of an asset management package or as a standalone service. Our flexible and mobile field staff can meet your quality assurance needs in a timely and professional manner.



For more information visit  
[urbanutilities.com.au](http://urbanutilities.com.au) or call 13 26 57

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