



## *Water & Wastewater Reuse*

Built to the ISO9001 Quality  
Management System







## Water & Wastewater Reuse

Aquatec's Water and Wastewater Reuse systems are designed on a project-by-project basis to provide a tailored solution that exceeds local regulatory requirements.

*From treatment through to distribution, Aquatec's systems are responsive to site accessibility, quality control, reliability of supply and ongoing maintenance requirements. Our Technical Engineers partner with environmental and wastewater consultants to plan, design and deliver reuse solutions across Council, Water Authority, commercial and industrial applications.*

### Why We Treat

Water and Wastewater Reuse systems reduce demand on potable water supplies and contribute to a sustainable, forward thinking approach to water management and conservation.


Aquatec's reuse systems recycle stormwater, rainwater or process water to generate alternative supply for municipal or industrial reuse, or any instance where secondary water is deemed a suitable alternative to potable water.





Service Capabilities


Aquatec’s end-to-end service model incorporates consultation, custom design, manufacture, delivery, commissioning, training and life cycle management.


Our service model streamlines the process, reduces costs and eliminates risk associated with managing multiple suppliers to deliver a superior level of quality control for your project.


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Client Consultation
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Design & Drawing Services
- 


Project Management
- 


Procurement Officers
- 


On-site Installation Training
- 


On-site Delivery Supervision
- 


Qualified Mechanical Fitters
- 


Qualified Electricians
- 

Power Management
- 

Quality Assurance Audits
- 

Pre-testing, Commissioning & Compliance Checks
- 

Scheduling & Management of Final Testing & Commissioning
- 

Accredited Operation & Maintenance Training
- 

After Sales Service & Warranty







### System Configuration

To develop solutions configured for efficiency, compliance and sustainability, Aquatec assists our customers with a comprehensive approach to complete system designs.

#### System Design

Water source, flow, quality and distribution underpin the design of Aquatec's Water and Wastewater Reuse systems. Together with a thorough understanding of existing site infrastructure and local requirements, our systems are developed to service any municipal or industrial demand.

#### Mechanical Design

Aquatec manufactures world-class components and innovations to build systems with environmental integrity and operational longevity. Location, spatial constraints and surrounding infrastructure are central to Aquatec's mechanical designs, with every solution purpose-built and tested prior to installation.

#### Electrical Design

Aquatec's approach to electrical design is responsive to the unique make-up of the treatment train. Our control panels are purpose-built to Water Authority or Council specifications and exceed AS3000 requirements.



## System Integrity

Government and Industry Bodies regularly consult with Aquatec for guidance on best practice product development and safety standards.

*For the past 30 years, Aquatec's commitment to product integrity has remained central to our daily operations. As industry leaders, our products are engineered to safeguard against environment leaks and spills and provide consistent water quality.*

## Manufacturing Process

Aquatec's Water and Wastewater Reuse systems are manufactured in a controlled factory environment under strict ISO 9001:2008 standards. Proprietary Storage Tanks are stringently tested and certified prior to delivery.

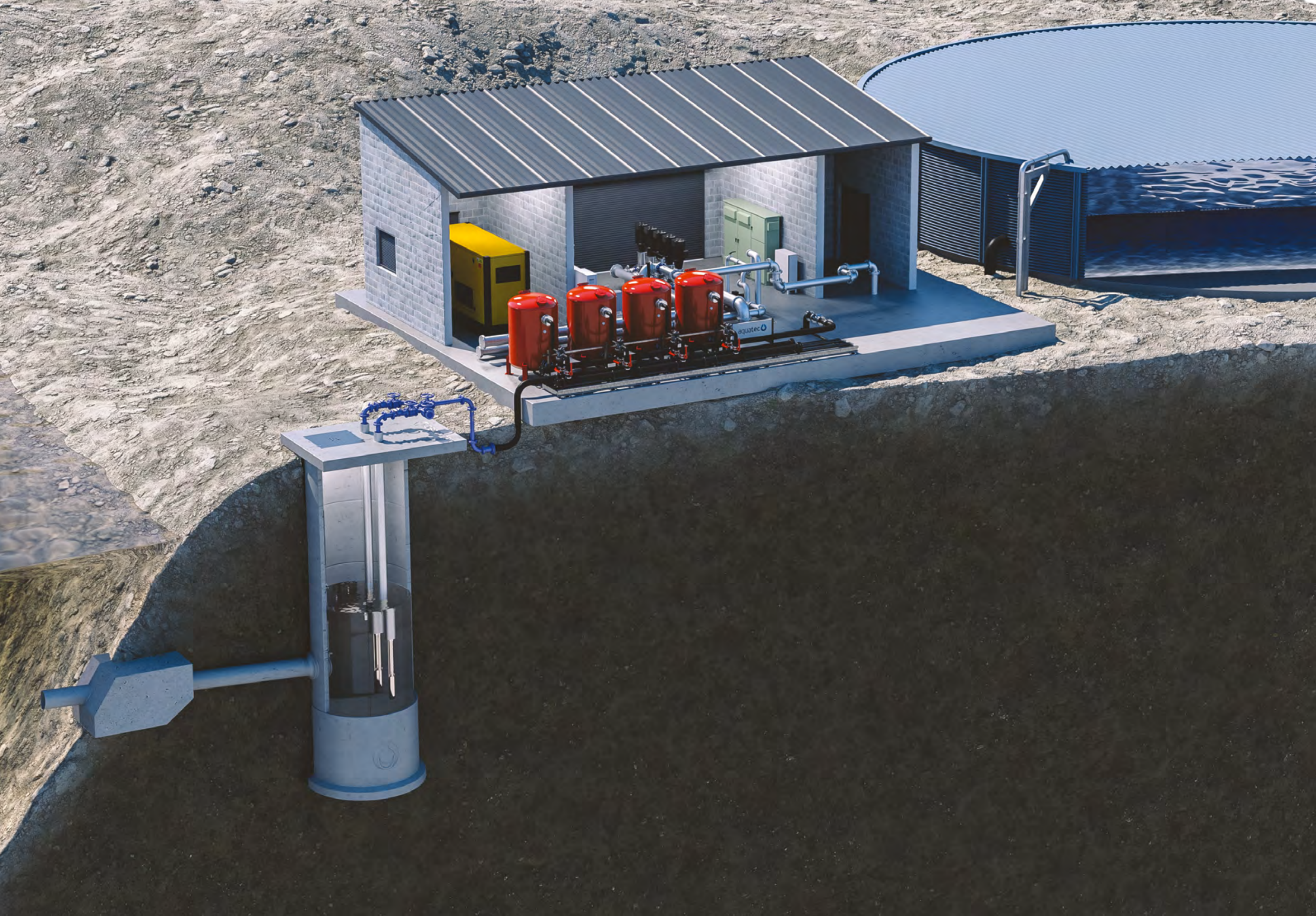
## Quality Control

Aquatec's manufacturing process is subject to a series of strict quality control measures to achieve superior product quality. Every system is factory pretested under simulated site conditions prior to dispatch:

- Critical path hold points
- Pressure tested
- Engineer's review
- Pre-delivery performance
- Transportation











Water &  
Wastewater Reuse

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Water Reuse

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Aquatec harvests water or wastewater for reuse across municipal, industrial and private developments.

The water is captured at the source, then treated, stored and distributed, reducing use of potable water across areas where recycled water presents as an economically viable, environmentally friendly water management solution.

Applications for Water Reuse

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Applications	Stormwater	Rainwater	Industrial Water
Toilet Flushing	✓		
Garden Irrigation	✓	✓	
Car Washing	✓		
Public Reserves	✓		
Playing Fields	✓		
Golf Courses	✓		
Wash-down Water	✓		✓
Cooling Towers	✓		
Process Water	✓		
Dust Suppression	✓		
Vehicle Washing	✓		
Shower Water		✓	
Laundry Water		✓	
Kitchen Drinking Water		✓	
Boiler Systems			✓
Cooling Towers			✓
Cleaning			✓
Rinsing			✓
Processing			✓







## Treatment Options

Aquatec's treatment processes are governed by the quality of the water source and the grade of water required prior to distribution.

*Our treatment processes will vary based on pollutants identified after client research, industrial, commercial or industrial contaminants present in the water source and the intended site(s) for water reuse.*

### Pollutant Removal

A gross pollutant trap is selected based on the nature and size of gross pollutants and coarse sediments presenting in the water catchment area.

### Sediment Removal

Screen or Multi-media Filters are selected based on the nature of medium and/or fine particle sediments present in the water or wastewater.

### Odour & Colour Removal

Various media and other treatment filtration processes are used for colour and odour removal, sensitive to the intended application and associated requirements.

### Sterilisation

UV treatment of water or wastewater provides high quality sterilisation, with the ability to adjust UV intensity according to intended application for re-use.

### Disinfectant

Chlorine Dioxide, Liquid or Gas Chlorination, Ozone or other treatments build the residual to a predetermined level that is maintained prior to distribution.



## *After Sales Service*

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### **Maintenance Training**

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Aquatec's Maintenance Training caters for existing personnel in need of additional assistance, or new personnel unfamiliar with the operational and maintenance requirements of our Water and Wastewater Reuse Systems.

### **Technical & Product Support**

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Aquatec's Technical and Product Support Service responds to any product or technical enquiry, including recommendations on safe-use of our products.

### **Service Warranty**

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Aquatec are committed to providing full after sales service, support and long term warranties on all components.

### ***Water Innovation Partners***

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