

# INTEGRATED WATER AND WASTEWATER ENGINEERING SOLUTIONS FOR COUNCILS



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# Integrated water engineering solutions





# Council CWMS

Challenges and opportunities



# CWMS O&M challenges

Operating and maintaining and upgrading CWMS involves:

- specialist engineering
- wastewater systems design
- regulatory compliance
- risk management
- public and environmental safety
- service continuity
- work, health and safety matters.





# CWMS O&M opportunities





# Leverage our wastewater expertise

**Our capabilities span all aspects of wastewater management and include:**

- delivery of wastewater treatment process reviews
- asset condition reports (*expand upon re. methodology*)
- provision of process designs for new treatment plants and upgrades
- treatment technology specification, selection, design, and implementation
- wastewater network infrastructure specification, design, construction and maintenance
- recycling of effluent for municipal and industrial applications
- residuals management, including stabilisation and dewatering, hazardous waste
- environmental, water quality management review and program development
- maintenance programmes





# Our methodology

## Enabling you to operate and manage wastewater infrastructure to industry best practice standards

- identify gaps in WWTP design and operation
- pinpoint opportunities to increase efficiencies and reliability
- improve information on asset performance and condition
- define hydraulic and treatment capacities
- improve control over operating processes





# Maintenance programmes

Preventing WHS incidents, decreasing costs and improving equipment performance.

- Preventative maintenance programs
- Reliability and condition monitoring
- Predictive smart maintenance services
- Pump and valve refurbishment services
- Rapid response breakdown services



# Bringing it all together. Our solutions

## Complete turnkey wastewater asset solutions

- pump stations
- water supply and filtration systems
- chemical treatment or dosing systems
- electrical controls systems, and
- water distribution pipelines



# Current projects

Some of our key design and construct projects and maintenance contracts include:

- Wattle Range Council maintenance and operation contact
- Lower Eyre Peninsular Council construction of 9 wastewater pump stations
- Mount Gambier CWMS upgrade
- Murray Bridge WWTP maintenance
- Kingscote Pump Station Dosing System Upgrade
- Point Pearce, Gerard and Oodnadatta CWMS upgrades



# In summary

We welcome to working with you to resolve the issues you experience operating and maintaining wastewater systems to industry best practice standards.

