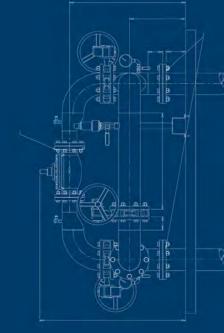
# INTEGRATED WATER AND WASTEWATER **ENGINEERING SOLUTIONS** FOR COUNCILS



John Persinos **April 2022** 





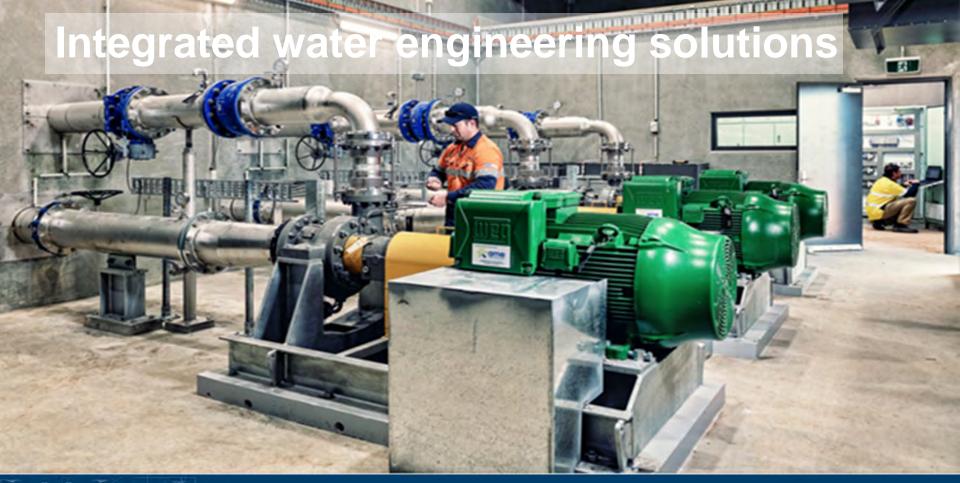
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## **Council CWMS**

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.







