

assurance in water quality and safety



TRILITY
Water Consultancy Services



Industry-leading experts collaborating
with utilities, councils and authorities
to deliver safe water for communities

TRILITY Water Consultancy Services

TRILITY Water Consultancy services add technical, economic, environmental and social value. We strive to increase efficiency, reduce risk and improve resilience and reliability throughout the water cycle in long-term partnerships with our clients.

Our philosophy - of fostering true partnerships - ensures clients deliver reliable service at a sustainable cost, and confidently meet the standards of compliance and response-readiness in an increasingly stringent regulatory environment.

How can we help?

Catchment-to-tap water quality management

Leveraging our operations and maintenance experience in water supply and wastewater treatment, we deliver innovative, sustainable evidence-based solutions. These solutions ensure operational efficiency and asset longevity for treatment plants across the water cycle, from catchment to tap. We do this through close collaboration with our clients providing robust and timely technical advice, training, data analysis and reporting. Our special services include:

Our specialist team of front-line operators, water quality, asset and project management experts, auditors and engineers are equipped with a detailed understanding of the technical, regulatory and commercial factors of the water and wastewater sectors. Our collective expertise enables us to undertake a broad range of projects, delivering outcomes that ensure our clients maximise value and reliability of their water and wastewater infrastructure, while achieving consistent and sustained compliance against statutory standards throughout their operations.

"Through collaboration and extensive experience, we're elevating and maintaining the high standards of water quality across the full water cycle that benefit our clients, the industry, our communities and the environment."

Adam Medlock
General Manager, Operations

Catchment-to-tap water quality management

Reviewing, troubleshooting and optimising treatment plant performance

Good Practice Guide gap analysis

Developing, updating, and modernising Standard Operating Procedures (SOPs) and Work Instructions

Monitoring, verifying, and reviewing HACCP Plans including Critical Control Points (CCP)

Develop, review and update sampling programs and asset strategies

Health-Based Targets (HBT) assessments

Operational and Asset risk management

Developing and updating Process Flow Diagrams (PFDs), Piping and Instrumentation Diagrams (P&IDs) and treatment plant schematics

Analysing catchment-to-tap online and sample-based data

Relief Water and Wastewater Operators *

* Relief and secondment services

Environmental management

We are committed to the principles of ecologically sustainable development, providing end-to-end expertise to help clients achieve their environmental objectives. We offer specialist services in developing, reviewing and assessing different components of environmental management systems including:

- Environmental management plans
- Environmental risk assessments and evaluations
- Biosolids management plans
- Risk Monitoring and Management Plans (RMMP)
- Health and Environment Management Plans (HEMP)
- Regulatory reporting

Water quality audits

Our knowledge of the technical, regulatory, and commercial factors of the water and wastewater sectors enables us to assess compliance from all angles, drive continuous improvement, and provide practical solutions for our clients and improved water quality outcomes for communities.

With ISO 9001_2015 and ISO 19011_2018 certification, we provide expert independent auditing services to support your Quality Management System including:

- Recycled water quality audits
- Drinking water quality audits
- Water quality management system audits

Ensuring compliance with:

- ✓ State legislation, regulations, and guidelines
- ✓ Australian Drinking Water Guidelines (ADWG)
- ✓ Australian Guidelines for Water Recycling (AGWR)

Water quality plans

TRILITY implements a rigorous water quality management system for our drinking water, recycled water, and wastewater treatment services. This system ensures we meet the standards set out in the ADWG, AGWR and by state regulators within Australia and New Zealand.

We possess an excellent track record of leading the way in water and environmental services, and in the delivery of safe drinking water. Our proactive risk-based management approach allows us to adaptively manage water quality plans to meet quality and compliance objectives in an ever-changing regulatory environment.

Asset and project management

TRILITY delivers end-to-end asset management services across the full lifecycle of water, wastewater, reuse, and environmental infrastructure. TRILITY provides integrated solutions that enhance performance, reduce risk, and ensure long-term sustainability and value.

Operations and maintenance:

- Asset assessments including verification, condition, and criticality
- Asset register development
- Asset classification and characteristics capture

Strategic asset management:

- Maintenance strategy development
- Spares optimisation
- Asset management plan development and review

General support:

- Remote and onsite auditing
- Drawing management support
- Project management

Across Australia and New Zealand, TRILITY manages complex water and environmental assets with a strong focus on safety, sustainability and long-term community value.



Our ability to integrate regulatory standards into working documents makes us specialists in the development and review of:

- Drinking Water Quality Management Plans (DWQMP)
- Recycled Water Quality Management Plans (RWQMP)
- Water Safety Plans (WSP)
- Annual reports for regulators and other plans to suit your needs



TRILITY

Other TRILITY services:



Operations



Products



Solutions



TRILITY Training Services



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Want to learn more about Water Consultancy Services?

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