

Axiom Water Technologies Pty Ltd is a specialist Integrated Water Management consultancy based in Cairns, Tropical North Queensland.

The company operates in the technical and participatory development areas of water supply and sanitation delivery. Our staff work closely with our clients to appraise and understand their local situation. By providing context-sensitive advice the company aims to deliver sustainable long term technical, economic, environmental, social and institutional solutions tailored to the client's objectives.

Owner and Director Peter Sharry has more than 25 years of experience in technical and management roles in the consulting, industrial, mining, chemicals, and water treatment equipment sectors.

Peter has internationally recognised qualifications; a Masters Degree in Integrated Water Management, Bachelor of Applied Science in Chemistry, is a Chartered Chemist and a Member of the Royal Australian Chemical Institute. He has extensive knowledge and skills in the operation and optimisation of water treatment for human consumption, industrial applications, advanced wastewater treatment and desalination technologies.

Our services span the water management spectrum and project lifecycle. Applications include integrated community water supply and sanitation projects; environmental water management; mining and exploration support; mine drainage and discharge treatment advice; manufacturing industries; local government; power generation; and resort and accommodation facilities.

We have experience working in Australian and international markets including Papua New Guinea, The Republic of Vanuatu, The Republic of Kiribati, the United States of America, New Zealand and The Russian Federation.

Axiom works with complementary service providers as needed to deliver a project. Wherever possible we partner with local organisations. This ensures that culturally appropriate, high quality and innovative results are achieved with increased local capacity.

Recent projects include providing environmental monitoring training, drinking water and wastewater treatment advice to clients in the resource sector in Papua New Guinea; facilitating a village water supply program on Abaiang Atoll in The Republic of Kiribati.

We are currently leading a large environmental water quality monitoring project in Port Vila, Vanuatu; and supporting landowner groups in regional PNG developing community-led WASH (Water Sanitation and Hygiene) and capacity building projects.

We are seeking opportunities in the Australian and international markets, with a particular focus on Pacific Island Nations, Papua New Guinea, Indonesia and China.

## Services:

### Environmental

- Development of monitoring plans
- Water quality sampling, analysis and evaluation for compliance or other purposes
- Environmental Impact Assessment (EIA) surveys
- Field instrumentation selection and deployment
- Capacity building of local monitoring staff

### Integrated Water Management

- Participatory Rural Appraisal (PRA)
- Rural/remote community water supply, sanitation and hygiene (WASH) consultation
- Integrated Water Management (IWM) program development and delivery including:
  - Water resource policy, planning and project implementation
  - Rural/remote community drinking water systems design and community-led implementation
  - Community-led Total Sanitation (CLTS)
  - WASH education for behaviour change
  - participatory community planning
  - capacity building of local people through skills transfer
- program/project evaluation

### Industrial, mining and municipal

- Water source evaluation
- Drinking water safety plans
- Desalination process design and operation support
- Treatment process design including recycling and reuse schemes
- Monitoring plan preparation and execution
- Process audits and troubleshooting

- HAZOP and Risk Assessment facilitation
- Feasibility and pilot studies
- Technical specification and procurement support
- Construction technical support
- Process commissioning
- Process documentation
- Technical training
- Owner's technical representative/advisor services
- Legionella auditing of cooling and hot water supply services

Further information regarding capability and project experience is available on request.



Photo: Industrial water recycling plant auditing in Amursk, The Russian Federation.



Photo: Water quality monitoring & training in Papua New Guinea



Photo: Village water supply installation on Abaiang Atoll, The Republic of Kiribati.



Photo: Village water supply investigation in Papua New Guinea

## Contact:

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