

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

Owner and Director Peter Sharry has more than 30 years of experience in technical and management roles in the consulting, industrial, mining, chemicals, and water treatment equipment sectors. He has extensive knowledge and skills in the design, operation and optimisation of water treatment for human consumption, industrial applications, advanced wastewater treatment and desalination technologies.

Our experience includes integrated community water supply and sanitation projects; environmental water management; mining and exploration support; mine drainage and discharge treatment advice; manufacturing industries; local government; and resort and camp accommodation facilities.

Drawing on our diverse experience in the water sector, the company's services are increasingly focused on Community Development Work; delivering integrated community water supply and sanitation (WaSH) projects, water source and water quality evaluation, and environmental water management programs.

Axiom works with sub-consultants and other service providers as needed to deliver projects. Wherever possible we partner with local organisations in the host country. We work closely with our clients, providing context-driven advice and tailored sustainable solutions. We always aim to deliver culturally appropriate, high quality services along with increased local capacity.

We have delivered projects in Australia, Papua New Guinea, Vanuatu, Solomon Islands, Kiribati, and the Russian Federation. Recent projects include earthquake recovery project work (Rain Water Harvesting and Storage) in Hela Province of Papua New Guinea; Gravity water supply design for villages in PNG's Southern Highlands; Environmental monitoring and training, drinking water and wastewater treatment advice to clients in the resource sector in Papua New Guinea; Facilitating village water supply improvement program on Abaiang Atoll, Kiribati; 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 Australian and

international markets, with a particular focus on Northern Australia, Papua New Guinea, and the Pacific Island Nations.

Services Profile:

Environmental

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

Integrated Water Management

- Participatory Rural Appraisal (PRA)
- Rural/remote community water supply, sanitation and hygiene (WASH) implementation
- 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
- Water treatment process design including recycling and reuse schemes
- Process monitoring plan preparation and execution
- Process audits and troubleshooting
- HAZOP and Risk Assessment facilitation
- Feasibility and pilot studies
- Technical specification and procurement support
- Process commissioning

- Process documentation
- Technical training
- Owner's technical representative/advisor services

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



Photo: Water quality monitoring & training in Papua New Guinea



Photo: Village water supply investigation in Papua New Guinea



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



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

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