



Desalination

Introduction and company overview

Axiom Water Technologies Pty Ltd is a specialist Water Quality and Integrated Water Management Consulting Service based in Cairns, Tropical North Queensland.

We work in Technical and Participatory Development and aspects of Desalination, Environmental Monitoring, Water Supply and Wastewater related consulting practice.

Our objective is the provision of targeted high quality services in our field to achieve integration of water supply, sanitation, environmental health, hygiene and nutrition outcomes. Our approach is based on social and institutional support to achieve positive long term outcomes.

Core competencies

Providing specialist advice and leadership in desalination projects built on 18 years' experience:

- Design, execution, reporting and evaluation of desalination pilot trials.
- Design of pretreatment, SWRO and BWRO processes and brine management strategies for potable water supply and process water use.
- Membrane performance projections and energy management modelling
- Desalination project specification and tendering.
- Desalination plant monitoring programs and auditing.
- Design and documentation of desalination Operations and Maintenance Plans.
- Desalination operator and maintainer training services.

Key staff

Peter Sharry – Principal Scientist

Peter holds a Masters Degree in Integrated Water Management, Bachelor of Applied Science (Chemistry) and has over 25 years of analytical, operating and process design experience.

He has worked in the design, operation, auditing and troubleshooting of water treatment processes for influent, cooling, boiler feed and wastewater treatment for the past seventeen years.

Selected project experience

- Membrane desalination treatment of gold cyanide leach wastewater for recycling at PolyMetal AGMK in Amursk, Russia
- Owners representative for BP in Houston Texas for the 44.5 MLD LoSAL™ desalination system on the Mad Dog II spar project
- Western Corridor Recycled Water Project, Bundamba QLD – Owners Engineer for Stages IA and IB joint commissioning phase, 66 MLD design capacity.
- Hayman Island Water Review and IMLD Desalination Upgrade - Mulpha Hotel Pty Ltd Hayman Island.
- Agnes Water 1.5 MLD Integrated Water Management & Desalination Project – Gladstone Regional Council.

For More Information Contact

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