



MAK
Industrial
Water Solutions

Desalination
& Wastewater
Treatment
Specialists

Service & Maintenance
Reverse Osmosis
Wastewater
Recycling



Company Profile

Introduction

“MAK Water” is a water treatment equipment supplier, operator and maintenance service provider. In addition to its head office in Perth MAK has offices on Barrow Island (WA), Karratha (WA), Brisbane (Queensland) and Adelaide (South Australia).

Specialising in desalination/reverse osmosis MAK Water developed a reputation for delivering quality service and reliability solutions that enabled its customers to reduce operating costs and extend equipment life-cycles.

MAK has demonstrated capability in:

- Sea water and brackish water reverse osmosis plants
- Demineralised water supply for industrial and medical applications
- Water filtration (ultra-filtration, nano filtration, micro-filtration etc) plants
- Sewerage and waste water treatment plants
- Service and maintenance of water treatment plants with 24/7 coverage
- Plant upgrades
- Operation and maintenance of water treatment plants
- Operation and maintenance of chlorine and chemical dosing equipment

As leading service providers and plant manufacturers MAK Water can advise on the correct method and plant required for any site specific application from provision of sewerage and water treatment for mine sites to dewatering or filtration of Coal Seam Gas (“CSG”) residue.



Sea water pre-filtration unit for Chevron's Gorgon LNG project



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MAK Water Board

Peter Hood (Chairman)

Peter Hood was Coogee Chemicals' CEO from 1998 to 2005 and CEO of Coogee Resources from 2005 to early 2009. He has over 35 years experience in the development of projects in the resources and chemicals industries in WA and is a graduate of the Harvard Business School Advanced Management Program. He has been a Director of the Australian Petroleum Production and Exploration Association Limited (APPEA), Chairman of the APPEA Health Safety and Operations Committee, and is the President of the Western Australian Chamber of Commerce and Industry.

Andy Byk (CEO)

Andy is a mechanical engineer with an MBA and is a graduate of the Harvard Business School Advanced Management Programme.

Andy was educated in the UK and started a career in the chemical processing industry working for Cussons in the UK and in Africa. Since immigrating to Australia in 1994 he has spent ten years in a number of senior operational and commercial roles for Wesfarmers and in the engineering and construction industry.

Gary Steinepreis (Non Executive Director & Company Secretary)

Gary is a Chartered Accountant with a Bachelor of Commerce from UWA. Gary provides corporate, management and accounting advice to a number of companies involved in the resource, technology and leisure industries.

Gary is a director of several mining and resource companies and is managing director of Ascent Capital Pty Ltd, which specialises in the reconstruction and recapitalisation of listed companies

Tom Henderson (Non Executive Director)

Tom is a Chartered Accountant with a Bachelor of Commerce from UWA.

Tom has over 20 years experience in corporate finance and was previously the managing partner of Deloitte Perth corporate finance. He is currently a director of several privately owned resources services companies.



Equipment Supply

MAK designs and manufactures each water treatment plant to meet its client's technical requirements and engineering standards in its Perth workshop. We have used our experience as a water treatment maintenance provider to design simple, but effective equipment that is reliable and easy to maintain.

MAK's containerized sewerage water treatment plants are imported from a world leader in Membrane Bioreactor ("MBR") plant design. With a number of plants operating in Australia and throughout Asia the MAK team have the experience to supply packaged sewerage treatment plants to remote operations, and provide ongoing technical support and operation.

The equipment that MAK manufactures is robust, conservatively designed and tailored to be simple to operate. Many units installed on remote sites are packaged in sea containers to minimize on-site labour during construction, which also ensures a clean environment for the equipment to operate in. Where required MAK Water can install remote monitoring to enable plants to be monitored over the internet.

All equipment supplied by MAK is manufactured and fully tested in our Perth workshop and supplied with a 12 month warranty.



Reverse Osmosis Plant (1,000m³/day) for bore or CSG water treatment



Fully automated Sea Water Reverse Osmosis Plant



Plant Operation and Maintenance

MAK Water's team of highly trained Service Technicians and Maintenance Engineers provides operational and maintenance support to over 40 desalination and waste water treatment plants across Australia. For larger installations MAK provides an on-site operations management team. Projects where MAK is currently responsible for managing day to day operations include:

- Chevron's Gorgon LNG Project – MAK Water's site team is responsible for the operation and maintenance of the desalination plants, water distribution and sewerage water treatment plants for the 3,500 person camp and construction facilities on Barrow Island.
- Woodside – Pluto project – MAK Water supplied and operates the desalination plant for construction, process and potable water on site
- Rio Tinto Argyle Waste Water Treatment Plant – MAK operates the Argyle waste water treatment plant for Argyle Diamonds

MAK is a recognized service expert and regularly assists its clients in improving their plant operations. This includes the two major power stations in WA where MAK provides technical advice on membrane performance and regularly undertakes major equipment overhauls.

MAK does not limit its service to the machines it has manufactured, and is capable of providing maintenance support to all manufacturers' RO units. Not only does this ensure that our service team have a sound understanding of a wide variety of different technologies and equipment but also enables our customers to have equipment from different suppliers on the same site without losing the cost benefit of one service provider.

Where there is a service agreement in place MAK will provide 24 hours per day, seven days per week support in addition to remote monitoring of the equipment operation.



MAK Sea Water RO Unit – Part of Chevron's Gorgon project. Water Systems and operation management by MAK



Equipment Hire

MAK Water has a fleet of hire reverse osmosis and packaged sewerage treatment plants available to meet customers' short and medium term requirements. These come in standard sizes, or can be designed to meet customer requirements for extended lease periods.

The photo below shows five 200m³/day sea water RO units hired for a major construction project in the north of Western Australia.



Five MAK 200m³/day Sea Water Reverse Osmosis on hire in Karratha WA



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MAK's Clients Include



Government of **Western Australia**
Department of Treasury and Finance

