

CASE STUDY



PROJECT	SCHEME WATER TREATMENT FOR BREWERY
PRODUCT	Brackish Water Reverse Osmosis
INDUSTRY	Food and Beverage
LOCATION	New South Wales

BACKGROUND

An independent contract brewing and beverage packaging company was building a new facility that required scheme water polishing to create high purity water to use in the brewing process.

MAK Water worked closely with the client to design a fit for purpose, long term solution that met the specified requirements for feed water for brewery production.

SOLUTION

A 500 kL/day BWRO to polish scheme water to remove free chlorine and reduce TDS & chloride to prevent corrosion in the stainless steel pipework and tanks.

BRACKISH WATER OSMOSIS – SCHEME WATER TREATMENT

- Custom BWRO with blend line to minimise waste stream generated and power consumption
- PLC control blended flow to keep treated water in spec
- ClearAccess™ remote monitoring for real time monitoring of process data, automatic alerts on alarm conditions, remote monitoring & operation



Complete BWRO skid ready to be sent to site in New South Wales

RESULTS AND BENEFITS

- **Lowest total operating cost.** Plants were designed to minimise operator intervention, reduce reject, and minimise power & chemical consumption
- **Technical Support.** Expert advice and consultation throughout the design and delivery phases. Service Agreement to provide ongoing technical support, service & maintenance
- **Local.** The plant was built in Australia using materials sourced from local suppliers. Providing superior build quality and spare part availability
- **Plant Reliability.** Custom design and quality equipment will provide reliable operation with minimal maintenance.



BWRO 500/Kl/day in the Perth Fabrication Facility during FAT