

Containerised Ultrafiltration Plant Expansion

Victoria, Australia

FILTEC

Making Water Safer

Project Snapshot



Client: Key Client Victoria



Capacity: 2.4 MLD total capacity



Technology: Ultrafiltration, Coagulation, OSEC



Source Water: Bore Water



Completion: 2026

Project Outcomes

- ✓ 1.2 MLD ultrafiltration plant expansion
- ✓ Containerised treatment plant delivery
- ✓ Safer disinfection through Xylem OSEC
- ✓ Higher performance DuPont LN40 modules
- ✓ Completed ahead of schedule

Expanding Containerised Treatment Capacity for Future Demand

A key client in Victoria required additional treatment capacity to support growing demand and maintain supply resilience during peak periods. FILTEC had previously delivered the site's original containerised ultrafiltration plant, which remained under FILTEC service support.

FILTEC designed, fabricated and tested a second 1.2 MLD containerised ultrafiltration system incorporating 18 upgraded DuPont LN40 modules. The enhanced membrane design delivers higher flow rates with fewer modules. The transportable plant integrated ultrafiltration, coagulation, pumps, CIP cleaning infrastructure and process equipment within a compact containerised configuration.



To improve operator safety, FILTEC incorporated a 400 g/hr Xylem OSEC system for on-site sodium hypochlorite generation, removing the need to handle or transport gas chlorine or high-strength liquid chlorine.

The plant was fabricated and factory tested at FILTEC's workshop before shipment to Australia, supporting efficient integration with existing infrastructure. The project was completed slightly ahead of schedule, with FILTEC continuing to provide servicing and technical support following commissioning.