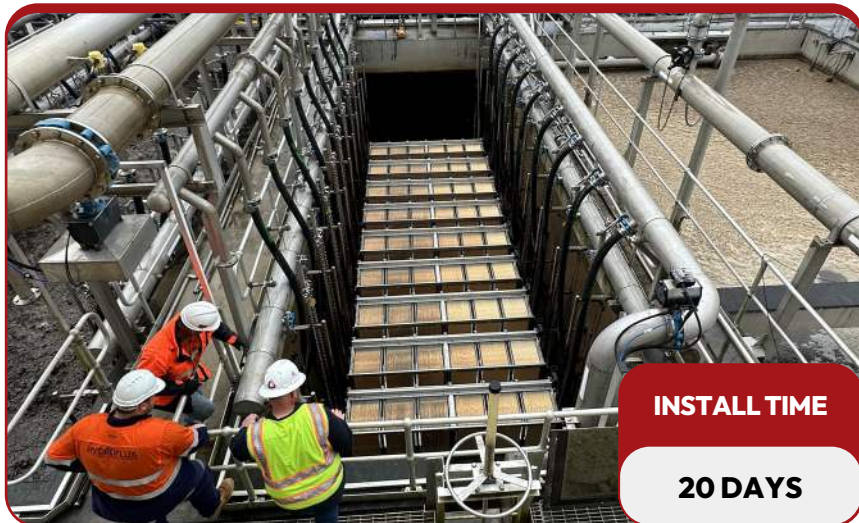




INSTALL TIME

20 DAYS

HIGHLIGHTS

Project History :

Conversion (2025)

Wastewater Type(s) :

Municipal

Application(s) :

Residential

Discharge Type(s) :

Reuse + Discharge

DESCRIPTION

Ballina's regional Water Reclamation Plant (WRP) serves a growing coastal municipality in Australia. To meet rising demand and improve reuse quality, the existing MBR system was expanded from 1.5 MGD to 1.9 MGD and converted from microfiltration (MF) to ultrafiltration (UF) membranes.

Working with the local integrator, Hydroflux, and the membrane manufacturer, M|MBR Systems delivered 36 backward-compatible Toray-based membrane units for four basins. The new modules dropped into place over existing diffusers and used the same blowers, allowing each basin to be converted in about five days, or 20 days total.

M|MBR supported the design, fabrication, and installation of the replacement membrane equipment. Our team also provided remote monitoring and optimization services.

”

M|MBR is a trusted partner. They have a proven track record of successful MBR aftermarket and retrofit projects.

Ben Freeman, Toray Membrane
USA

2025 PROJECT OVERVIEW

Project Category : Retrofit

Project Type : MBR Expansion

Scope : Membrane Equipment

Previous Membrane : Kubota RW-400 SMU (Flat Plate, Polymeric)

Installed Membrane : Toray NHP (Flat Sheet, Polymeric)

The Universal MBR Hub

Your single partner for all your MBR needs at every stage of your system's life.

MBR Plant Health Check

Scan now for your free MBR health assessment.



Results are site-specific and not a guarantee of performance; contract documents govern. Install time refers to the membrane changeout. Project history may include work by M|MBR team members before M|MBR Systems LLC was formed. Testimonials reflect individual views at the time given. Third-party product names are trademarks of their owners, used for identification only; no affiliation or endorsement is implied.