

Mataura Water Treatment Plant Upgrade

Southland, New Zealand

FILTEC

Making Water Safer

Project Snapshot



Client: Gore District Council



Capacity: Brownfield Upgrade



Technology: GAC Filtration,
Triton Underdrain, Electrical
& Automation Upgrades



Source Water: Surface Water



Completion: 2024

Project Outcomes

- ✓ Extended asset life of a 1963 treatment plant
- ✓ Maintained water supply during construction
- ✓ Upgraded filtration, electrical and controls
- ✓ Delivered within a live operational plant
- ✓ Water NZ Operations Award winner

Extending the Life of a Critical Community Water Asset

The Mataura Water Treatment Plant has supplied drinking water to the community since 1963. With much of the original infrastructure approaching the end of its service life, Gore District Council initiated a major upgrade programme to improve reliability, maintain compliance and extend the life of the facility.

FILTEC delivered a comprehensive brownfield refurbishment while maintaining continuous water supply throughout construction. The works included filtration upgrades, installation of a Triton stainless-steel underdrain system, mechanical equipment replacement, electrical upgrades and modernised process controls.

The project required careful staging within a fully operational treatment plant. Shutdowns, tie-ins and upgrade activities were coordinated around treatment demand and source water availability while maintaining uninterrupted supply to the Mataura community.

Additional challenges included the management of asbestos and chemical hazards, integration with ageing infrastructure and weather-related programme constraints. Through close collaboration with Gore District Council and Beca, FILTEC successfully modernised the plant and extended the operational life of this critical community asset.

