



# PROJECT REVIEW

## POTABLE WATER FILTRATION PLANT

Kerr Engineering was engaged by the technology supplier for specialised water filtration equipment to design and manufacture the structure and supporting systems for a filtration system recycling pit water.

The specific requirements included manufacturing the plant in 2.4M wide modules to enable transport to site on standard road train trailers, and also pre-assembling the complete modules to ensure site assembly times are minimised.

### Scope of work

- Complete the design and fabrication of the plant, pipe spools and service platforms
- Fabricate all of the high pressure and high volume pipe spools and connections to the supply
- Design and fabricate all of the work platforms, safety rails and access ladders
- Pre-assemble and test all systems, including hydrostatic pressure test of the vessels and pipe spools
- Ensure compliance with all applicable AS/NZS, ISO and site specific standards

### Outcome

On-site assembly and pressure testing to prepare the plant for commissioning only took two days.



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