



case study:

Seqwater - Fluoridation

Seqwaters Stage 1 Fluoridation project was the first sub-contracted project to be awarded through the newly formed entity, Seqwater. The project was a design, construct and commission contract that was delivered in an extremely tight timeframe and in line with the objectives of the Queensland Government.

Key Features & Outcomes

On Time Delivery - The key to the success of the project which saw 6 plants constructed in 14 weeks was the detailed planning and design work that was undertaken by the Tenix team prior to commencing works on site.

In order to meet the deadline imposed on the project Seqwater, instructed Tenix procure long lead-time equipment prior to the head contract being signed. This enabled suppliers of previously identified long lead items to commence fabrication to meet the required site delivery dates. In addition the Tenix team worked around the clock to ensure that the deadline was achieved.

Teamwork & Co-ordination - With no time contingency in the delivery program, it was imperative that Tenix successfully managed suppliers and subcontractors to meet the program milestones. Any minor slips in the program would have resulted in delays and the Government falling short on its delivery promise. Tenix successfully managed the various project interfaces and stakeholders and delivered the project on time.

Flexibility - With Seqwater being a newly formed entity acquiring assets and human resources from a number of different sources, detailed information of existing sites and equipment was not always readily available. As a result the team was continually challenged with changing situations and site conditions. These changes had to be dealt with in an effective manner in order to achieve the ever looming December deadline. Tenix displayed not only the technical expertise to complete the works but also the ability to perform in an environment of change. This was achieved through forging strong relationships with Seqwater and gaining the trust of key Seqwater team members.



Tenix®



Field Services

- Preventative Maintenance
- Corrective Maintenance
- Fault Services (24/7)
- Asset Replacement
- ✓ New Build
- Connection services

Management Services

- ✓ Design
- ✓ Project Management & Systems
- ✓ Quality Management & Systems
- ✓ HR & IR Management
- ✓ Construction Management
- ✓ Procurement Management
- ✓ Subcontractor Management
- ✓ Cost Planning & Estimation
- Planning Approvals
- ✓ Stakeholder Management



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Our Role

Tenix’s scope included buildings, civils, mechanical, electrical, process instrumentation and control.

Resources & Skills

As well as managing the design, construction and commissioning Tenix designed the control system including PLC / SCADA and telemetry control for each of the plants. Tenix also brought together a high performance team of subcontractors to compliment our own “in house” field services teams of electrical, instrumentation and control staff.

Facts and Figures

- Six Fluorosilicate fluoridation plants in South-East Queensland delivered on time.
- Sites covering a geographical range of over 200 kilometers from North to South
- The project included the five largest water treatment plants within South-East Queensland which now provide fluoridated water to around 50 - 60 per cent of the South-East Queensland population.
- Plant Design Capacities ranging in size from 105ML/day to 750ML per day.
- All six plants including five buildings were operational by the agreed deadline of 31 Dec 2008.
- Tenix’s scope included buildings, civils, mechanical, electrical, process, instrumentation and control.

Asset Type: Water Fluoridation Plant	Duration: 18 weeks
Client: Seqwater	Value: \$11 million
Location: South East Queensland	Scope: Design & Construction Commission & Operate
Contracting Style: Cost Reimbursable	Contract Secured: September 2008