

ALINTA ENERGY CONTROL BUILDING AND Office Complex

Date: 2009

Principal: Alinta Energy

Project Value: \$2.0M

TASK

Following Shaw's successful completion of the major earthworks and civil works for Alinta Tamar Valley, Shaw was then engaged to design and construct a complex suitable for the main operating centre of the power station.

Shaw provided four building design options in the initial design phase for the client to select which would best suit their requirements.

Shaw then worked up the architectural design to obtain council approval. However, as there was no sewerage outlet facility on site, planning approval could not be achieved without a Waste Water Treatment Plant.

Shaw was in turn, engaged by the client to design a suitable Waste Water Treatment Plant that would meet site and council requirements.

The Shaw team designed a class A Kelair Blivett, environmentally friendly system that completely irrigates processed sewerage onto a designated vegetated area onsite.

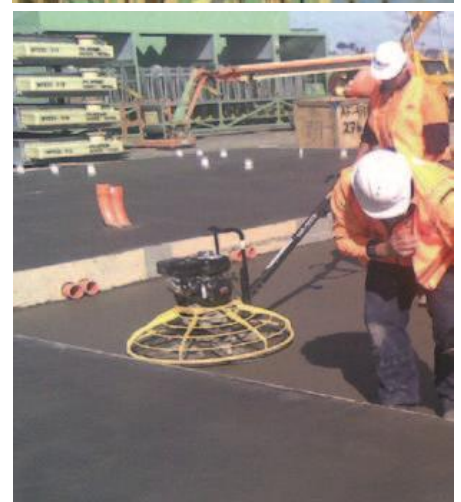
CHALLENGES

This project was to be fast tracked and Shaw was expected to meet a tight completion time frame.

Following the successful design and approval process, Shaw commenced construction of the Control Building Complex.

This complex consisted of the subsequent features:

- A 600m² Structural Steel and Trim deck Clad Warehouse
- 465m² Control Building suitable to accommodate 30 - 40 employees
- Control & Equipment Room with office and kitchen facility featuring a 300m set down floor for major telemetry and system management equipment fitted with a false floor and soundproof, fire retardant wall cladding system
- Open plan office space suitable to facilitate 25 workstations



CHALLENGES Cont'd ...

- Male, female and handicapped bathrooms with multiple toilet, basin, shower and locker room facilities
- Lunchroom with kitchen
- Office reception area
- 1 large and 2 small meeting rooms
- 1 large work area used to undertake maintenance on highly sensitive equipment

Shaw Contracting also designed and coordinated the installation of electrical, data, lighting and mechanical services for this project.

OUTCOMES

Shaw met the tight time and budgetary constraints of the D&C project and provided the client with a state of the art Control Building that will service this Power Generation Plant well into the future.

