

## CASE STUDY / TOWNSVILLE CORRECTIONAL CENTRES /



### FAST FACTS /

- / Complete electrical infrastructure
- / Communications, data and MATV
- / Lightning detection system
- / Security specific for correctional centre



### CLIENT /

Queensland Corrective Services

### BUILDER /

Baulderstone Hornibrook Pty Ltd

### PROJECT MANAGER /

Don Abbott

### DESCRIPTION /

Electrical infrastructure for a new 200 bed women's correctional centre and extension to the existing men's correctional centre.

### TIMELINE /

2 years

### LOCATION /

Townsville

### CONTRACT VALUE /

\$12 million for the new women's centre  
\$12.2 million for the extension to the men's centre

Correctional centres have their own particular requirements for electrical infrastructure. And the new Townsville's Women's and extension to the Men's Correctional Centres were no exception. The extension to the Townsville Men's Correctional Centre had one slightly unusual stipulation for the contractor. The centre had to remain operational throughout the project

PSG Richard Flanagan installed the total electrical and communication package for both the new 200 bed women's facility and the extension to the men's facility. The scope of work included all prisoner access areas fitted with specially designed light fittings, switches and power outlets.

The men's correctional facility had the extra logistical challenges of co-ordinating access for personnel, plant, materials and equipment into a "live" prison throughout the period of the project. In some work areas within the Centre, site personnel were actually escorted by prison personnel. At various stages of the project several

cut-ins and changeovers occurred with power disruptions. All the while, our teams ensured the full security system remained operational. These interruptions were managed with the utilisation of 'cutover-disaster plans' approved by the Correctional Centre.

Consolidating our involvement in this project was the fact that the main switchboard, generator, UPS and distribution boards were manufactured by PSG Elecraft.

As would be expected in a correctional facility such as this, the project included extensive lighting control and lightning detection systems, perimeter security lighting and security cabling and terminations to the prison cameras, locks and alarm system.

This well-equipped centre has its own medical, dental, educational and workshop facilities. As such, the scope of work included the supply and installation of white goods, medical, dental and educational fittings and sewing machines for the women's workshop.