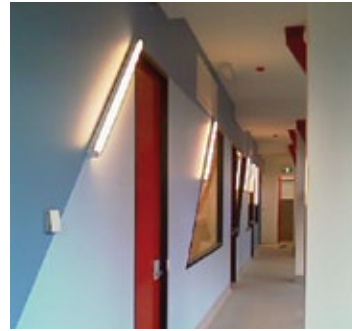


South West TAFE



Project: Multi Level building at Warrnambool SW TAFE

Job Value: \$300k +

Brief: Addition of new wing to existing Warrnambool TAFE buildings requiring advanced automation systems. Work with electrical contractors to implement Clipsal CBUS and network wiring into architect designed building.

Overview:

South West TAFE in Warrnambool is the largest in the region and has a number of old & new buildings that make up the campus. Energy Management is a priority and Clipsal C-Bus is already used in many of the existing buildings to realize energy and maintenance savings.

ElecVision worked with local electrical contractors in both the design and quotation process based on drawings and specification supplied. Once the project was secured the contractors began the wiring and fit out. At these stages Middy's Technologies provided guidance on C-Bus network wiring layout, and where various sensors should be mounted.

The building covered three levels and consisted of a mixture of reception areas, classrooms, computer rooms, office space, conference rooms, and exhibition spaces. With such a diverse range of areas the flexibility of C-Bus was used to control lighting to suit particular areas. For example classrooms and office space were controlled by sensors to turn lights on only when the area was occupied. Additionally sensors were used to dim perimeter lighting to save energy and maintain comfortable light levels. Conference rooms and computer labs had scenes programmed so that preset light levels ensured users could view screens clearly.

Lighting was also scheduled via a Clipsal Touch Screen so that Security lighting was turned on from Dusk to Dawn and Reception areas lit up in the morning to Welcome staff. In the evening lighting was set to 50% off and 100% off at set times to ensure any lighting left on by staff was reset.

Substantial savings on both Energy and Maintenance costs have been achieved by using a combination of sensors and scheduling.

Spec Snapshot:

- DALI dimming of Fluorescent & LV lighting in reception & exhibition spaces
- DSI control & dimming of Fluorescent lighting in Conference rooms, Computer rooms & some perimeter lighting
- Incandescent dimming of LV down lights in general areas
- Standard relay control of general lighting
- Three floors of lighting, fans & water heaters controlled by 3 x C-Bus networks
- Clipsal Touch Screen for scheduling, scenes & central control
- 63 Movement & light level sensors
- 100 Switches & Auxiliary inputs
- Network interface to allow building manager access to C-Bus from anywhere on the campus
- 3 x C-Bus S/Boards to reduce amount of 240v wiring