

Case Study



Albion Lodge, Sydney Sound Escape System

Building type and overview

Albion Lodge is a two storey heritage listed building comprising an administrative complex and a hostel accommodating approximately 50 transient occupants in 15 dormitory style rooms. These rooms are located primarily on the first floor with meals and entertainment areas on the ground floor. The building has only one fire exit.

Challenges

- Install an effective fire evacuation system in a hostel complex with many transient occupants.
- Undertake this in a heritage building in which the fabric of the building must be protected.
- Undertake this in a cost effective manner with a limited budget.

Solution

- Install Clevertronics *Sound Escape* system, an emergency lighting system in which the exit signs incorporate directional sound enabling evacuation of occupants through smoke.
- *Sound Escape* is interfaced to the building's fire panel. Communication with sounders through the main part of the building is then through Power Line technology which utilizes the buildings existing electrical cabling for communication, making it both cost effective and non evasive to the building.

Results

- The hostel now has a state of the art fire evacuation system enabling enhanced egress through smoke, installed in a cost effective manner with minimal impact on the building fabric.
- The *Sound Escape* system and emergency lighting system installed are automatically tested and capable of real time off site monitoring thus further enhancing compliance and safety features.