

# Case Study



## **SANTOS Fit-out, Brisbane SANTOS Place (Northbridge) Sound Escape System**

### **Building type and overview**

SANTOS Place is a 38 level office tower located in the heart of the Brisbane CBD. It has achieved a 6-star green and ABGR rating for both design and construction. This innovative and prominent building typifies world class building technology. The result is a facility that uses low energy consumption and maintains a low cost long term maintenance program. The SANTOS Office Fit-out spans 9 levels (16-25) of the building and utilises a non-isolated, interconnecting stairwell.

### **Challenges**

- Prevent occupants using the non-isolated stair in the event of an evacuation.
- Guide occupants to the correct fire isolated stairs in the event of an evacuation.

### **Solution**

- Install Clevertronics *Sound Escape* system, an emergency lighting system in which the exit signs incorporate directional sound enabling faster evacuation of occupants and better utilization of fire isolated stairs.
- A *Sound Escape* EXIT sign has been positioned at each fire isolated stair exit on each of the levels. 2 *Sound Escape* Exit signs per floor, 18 in total.
- *Sound Escape* has been interfaced to the building's fire detection and EWIS systems to activate the directional sounders in the event of an alarm. The *Sound Escape* Exit signs are an integrated part of the Zoneworks, addressable, emergency and exit lighting system installed throughout the building.

### **Results**

- The SANTOS fit-out utilises *Sound Escape* as part of an Engineered Solution to cater for the non-isolated, interconnecting stairwell.
- This Engineered Solution is cost effective because the *Sound Escape* Exit signs are an integrated add-on to the Zoneworks Emergency Lighting System installed throughout the building.
- The *Sound Escape* Exits and emergency lighting system are automatically tested and capable of real time off site monitoring thus further enhancing compliance and safety features.