

Case Study

CleverEVAC Dynamic EXIT signage and SoundEscape was chosen by the fire safety engineers AECOM. AECOM electrical engineers approved the sitewide use of Clevertronics by way of our Zoneworks monitored system to provide a seamless system of Dynamic Signage and conventional emergency lighting.

The Clevertronics Sales teams worked with Goldline Industries (Electrical Contractors) and AECOM fire safety and electrical engineers to finalise the solution and put forward an offering of CleverEVAC, as part of a sitewide Zoneworks monitored system. AECOM electrical engineers approved the Clevertronics Zoneworks monitored system to provide a seamless system of Dynamic Signage and conventional

emergency lighting all monitored by Clevertronics Zoneworks.

Challenges

The AECOM Fire Safety Solution needed to address the discharge of a stairwell from the three Basement level car parks, to an area on Level 0 just outside the stairwell. This area could present a safety concern if a fire occurred at the nearby MRV turntable, and if this stair was taken. Instead, the occupants needed to walk over to an alternate stairwell that safely discharged to another level.



Location

North Sydney NSW

Completed

August 2020

Number of Fittings

28 Dynamic Signs
(in excess of 1400 fittings for the entire site)

Product

range

LP, CleverEVAC

Monitoring System

Zoneworks XT

Contractor

Goldline Industries

Electrical Specifier

AECOM

Fire Safety Engineer

AECOM

Solution

In order to mitigate the risk of an occupant using the affected fire stair, CleverEVAC dynamic exit signage was instructed to be used throughout the three carpark basement levels.

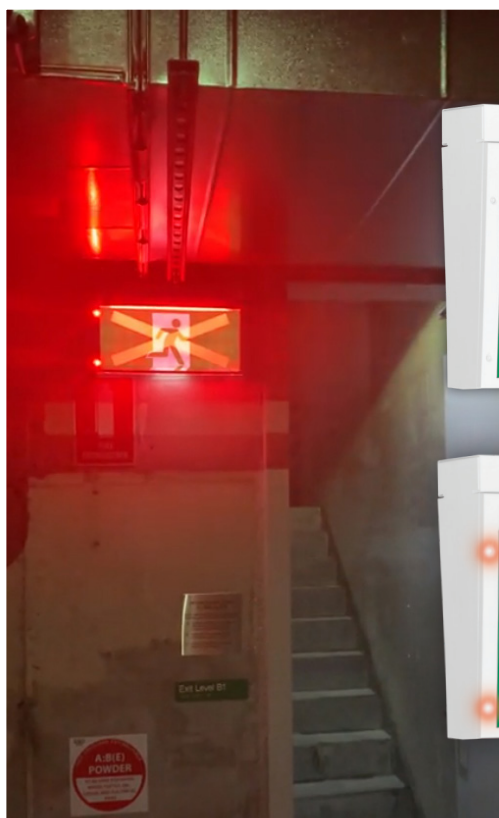
A combination of negative enforcement (RED X) notifying occupants not to use the affected stairwell, and additionally, positive enforcement notifying occupants to use the alternate exit stair by way of increasing exit sign visibility with bright sequencing green LEDs (Dynamic GREEN) within the exit signs that led to the alternate stairwell.

Finally, a SoundEscape fitting was added to the door at the alternate exit stair, to further emphasise that was the safest exit point.



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Disclaimer: Clevertronics Pty Ltd is a vendor of CleverEVAC products. It is not a fire engineer or designer. It does not purport to recommend its products for use in any particular application or to achieve any particular outcome. Purchasers and users of its products must take their own steps to ensure compliance with statutory requirements, safe practice and suitable application of the products.

