



CASE STUDY

Project

Lift upgrade

Client

KONE Lifts Australia

Location

Melbourne CBD, VIC

Date completed

Ongoing, expected completion end 2017

Equipment Supplied

- 1 x AlphaCom XE1 Intercom Server
- 1 x AlphaCom XE7 Intercom Server equipped for 24 Analogue lines
- 2 x IP Dual Display Master Station
- 40 x IP Flush Master Station
- 40 x Surface Back Box for IP Flush Master Station
- 18 x IP Vandal Resistant Substations, built for concealed use in Lifts
- 1 x SIP Trunking License, 18 lines
- 1 x Telephone Gateway for 20 lines
- 1 x Voice Messaging License
- 1 x STENTOFON Recording Server package for 2 lines
- 1 x Recording Server PC
- 4 x Rack, pre-built
- 5 x UPS, 4 hours run time.



Lift & Building Intercom upgrade to IP

360 Collins Street

Melbourne, VIC

The Site

360 Collins Street, located in the heart of Melbourne's business district and is home to the La Trobe Uni City Campus. With 39 floors and a total net lettable area of approximately 44,000 square meters. STENTOFON have been involved with the site for Building and Lift Intercom since its construction.

The Requirements

Upgrade the existing Building Intercom system to incorporate the Security and Access Control Intercoms around the building, whilst providing the IP Architecture to support the new IP Lift Intercom System. Due to the building being in use 24 hours a day, there could be no periods where the services could be unusable. The Tower Lifts, while receiving their refurbishment, were to be fitted with Top of Car and In Car IP Intercoms, with the shaft pit also receiving a Master Station. A PSTN interface per lift was also provided, for simultaneous calls both to Security Control and to Kone's Call Center in the event of an emergency call.

The Solution

The existing Intercom Exchange was upgraded to an AlphaCom XE7 server to support the existing Tamper Proof Intercom Substations, and an AlphaCom XE1 was installed to take care of all new IP extensions, both communicating via AlphaNet. IP Dual Display Master Intercoms were fitted to the Security Operations Office and Concierge desk. Pre-built racks were supplied to each Motor Room, fitted with everything required for the system in a plug and play format. A total of 18 Flowwire buses have been installed with one per lift shaft, allowing for power protection and ease of installation as only 1 shielded twisted pair is required to each lift car to power and provide data to both Top of Car intercom and Passenger Emergency Intercom, and only 1 shielded twisted pair is required to the lift pits. All UPS supplied ensure that the system will run at 100% load for 4 hours after a power failure. The Lift Cars receive Lift Intercom kits, using the TKIS-2 VoIP Intercom Module, while the Motor Rooms, Top of Car and Pits receive IP Flush Master Stations.

The Outcome

The installation was completed in September 2015, with cutover of the Control Room and existing Intercom Stations to the new AlphaCom servers completed over 2 days in December 2015, during which there was no loss of service to the building. Racks are installed and cabled to the Fiber Optic Ring Network provided by Kone, and are ready to receive connections to the new Lifts as they go into service. The entire solution is Plug and Play for Kone technicians, who need only install the correct unit in the correct location, and connect to the 2 wire Flowwire Bus in the Rack.

For more information on STENTOFON's NBN Ready IP lift Solution please visit STENTOFON.com.au or call 03) 9729 6600



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