



CASE STUDY

Project

Lift upgrade

Client

SCHINDLER Lifts Australia

Location

Melbourne CBD, VIC

Date completed

May 2014

Equipment Supplied

1 x AlphaCom XE1 Intercom Server
2 x IP Dual Display Master Station
17 x IP Flush Master Station
17 x Surface Back Box for IP Flush Master Station
8 x IP Vandal Resistant Substations, built for concealed use in Lifts
2 x Turbine TCIS-3 Compact Substation
1 x SIP Trunking License, 8 lines
1 x Telephone Gateway for 24 lines
1 x Voice Messaging License
1 x STENTOFON Recording Server package for 12 lines
1 x (Dell Optiplex) Recording Server PC
UPS for 48vDC and 240vAC

Lift Intercom upgrade to IP using Flowire

500 Collins Street

Melbourne, VIC



The Site

500 Collins Street, Melbourne is a rejuvenated A Grade property icon in every respect, a building which provides tenants with excellent property services and tenant amenities whilst setting a new benchmark for environmental sustainability.

New destination control lifts:

500 Collins provides eight passenger lifts to service the ground floor through to level 26. Two of these lifts extend into the basement. Each lift has a capacity for 23 persons or 1,568kg. The lifts provide a smooth journey at an operating speed of 3.5 metres per second. They have the ability to provide an average waiting interval of 29 seconds and a handling capacity of 14-15% during peak periods, meeting the requirement for A Grade standard buildings. The lifts are classified as approved for disabled access.

The Requirements

Using the latest in STENTOFON technology, is a system that complies 100% with the consultant's specifications using IP technology, whilst retaining the line powered nature and battery backup of a traditional PSTN based system.

The Solution

We have built our solution around providing a fully fitted rack, including the AlphaCom XE1 server, PSTN line interface, Flowire powered IP Bus interfaces and battery backup for 4 hours of runtime should the mains power be removed. Ancillaries such as the Call Recording PC, Master Intercoms at the Building Operations Office and Concierge desk, and External Door stations at the Loading Dock and Car park Entry were connected to the building LAN.

A total of 9 Flowire buses have been installed with one per lift car and one for the lift pits. This allows 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 supplied to the lift pits. Where each Master Intercom can be either daisy chained or T-bussed to the Flowire Bus, as appropriate. Along with providing Power and Data to the Intercom, this also removes the 90m restriction of an Ethernet run.

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

