



Farmers Trading Company

Farmers Trading Company is a thriving fashion department store based in New Zealand.

To secure the New Zealand store, Farmers required a highly reliable, flexible and fully integrated security system that had the potential to be used across a number of sites.

This requirement was met using the CEM AC2000 access control and security management system, and CEM advanced access control hardware solutions.

CASE SUMMARY

Location:

Hamilton, New Zealand

Systems Installed:

AC2000 access control and security management system

S610 intelligent card readers

eDCM 330 two door Power over

Ethernet Plus controllers

S9032 lift controller

Integration with:

American Dynamics Intellex CCTV

DSC PowerSeries Intruder Alarm Panels

Introduction

AC2000 is a powerful and fully integrated access control, alarm processing and photo badging security management system. The AC2000 system secures Farmers main distribution centre in Auckland, a 23 floor office block in Wellington and stores throughout New Zealand.

Solution

As a seamless operational solution, the AC2000 system was fully integrated with American Dynamics DVR's (Digital Video Recorders) and DSC PowerSeries intruder panels.

A major factor in the decision to use AC2000 was its ability to integrate with Farmers existing American Dynamics Intellex DVR solution. This was achieved using the central monitoring access control GUI (Graphical User Interface) – AC2000 AED (Alarm Event Display). Using AC2000 AED, Farmers own dedicated security team in the Auckland Distribution Centre can remotely view CCTV footage through the access control system and have events tagged to video to provide a more secure staff environment.

AC2000 was also integrated with DSC PowerSeries intruder panels providing Farmers with the ability to arm and disarm alarms via a virtual keypad which is integrated into the AC2000 software. Inputs from PowerSeries panels are placed on AC2000 AED graphical maps to represent intruder sensors and allow for integrated alarm monitoring.

CEM IP readers

Farmers required a quality IP security management system that could be installed with maximum efficiency to minimise the requirement for cabling and power supplies. To meet this requirement a selection of CEM PoE+ (Power over Ethernet Plus) two-door controllers and CEM S610e IP card readers were installed.

CEM S610e IP card readers are installed on critical doors throughout Farmers department store. Readers are connected via IP addresses to Farmers secure / dedicated corporate IP network. S610e readers feature LCD screens to provide staff with instant feedback such as 'Access Granted', 'Wrong TimeZone' and 'Card Expiring'. With the added benefit of a keypad, staff can also enter PIN codes for additional security. The S610e reader offers the highest level of reliability as it features an internal database for offline card validation. This means that should communication be temporarily lost with the host AC2000 server, staff can still validate cards using the card records stored in the reader's internal memory. The ability for readers to store over 200,000 card holders information locally was a huge benefit for Farmers.



Power over Ethernet cost savings

All doors are connected using CEM Power over Ethernet Plus (PoE+) technology which allows for Ethernet network cabling to deliver enough power to both readers and Maglocks at each door.

CEM eDCM 330 two-door controllers created sizable cost savings on the Farmers project as they eliminated the need to fit dedicated mains power supplies above each controlled door. There was also a requirement to secure a Farmers owned office block in Wellington. The 23 floors in this building were fitted with lift and door control to provide security for those tenants in the building. The CEM S9032 lift controller was chosen to control access between floors and again CEM PoE+ technology was deployed to the doors and a standard IP cable linked to each lift controller. The time and money saved from not using local power was a key selling point.

Future plans

Following the initial installation of the AC2000 system at the Farmers department store in Hamilton, future plans are in place to roll the AC2000 system throughout the 65 Farmers stores across New Zealand.

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