Netgenium

Access Control & Door Entry (Cisco CUCM Integration)

The technical specification of a further education college located in the Home Counties included a Cisco LAN infrastructure and Cisco IP Telephony.

The two new state of the art campuses are located in different towns and share the same network infrastructure with a requirement for an access control solution to span both locations.

In addition, the access system had to include barrier control functions for the car parks and all of the barriers must provide audio intercom for visitor access

The Challenge

The college had already deployed Cisco's IP Telephony and the audio intercoms were required to call into the phone system.

This gave the college the flexibility of being able to route calls from the barriers to any specified location across the two campuses. The call was to be routed depending upon time of day, staff availability etc.

The challenge for the installer was to provide the person taking the call a simple method of opening the car park barrier.

Summary

Needs:

- **Power locking hardware from POE**
- **Door Entry panel must call into telephony environment**
- **Remote control of car park barrier**

Products:

- **Netgenium Lock Control**
- **Netgenium Intercom Panel**

Result:

- **Flexible Call Handling From Car Park Barriers**
- **Dynamic Control Of Barriers From Telephone Handsets**

"Because it's so easy to administer and implement changes, we can adapt quickly to any given situation"

IT Manager

The Solution

The solution was very straight forward and simple to deploy using off the shelf products.

Each audio intercom from Netgenium features a 'skinny' client emulation which enables the panel to register with Call Manager and behave like a telephone extension on the system.

The intercom was configured to make a call to a directory number on the phone system when the button is pressed. The call is then routed by call Manager to the appropriate location.

The car park barriers were controlled by installing a standard Netgenium lock controller at each barrier, opening the barrier by means of the 'no volts' contacts.

Netgenium lock controllers can be activated in various ways. In this instance the college chose to assign a speed dial button on the telephone handset to open the barrier.

A small amount of configuration of Call Manager was required to assign a speed dial button on each phone control of the lock controller over the network.

About Netgenium

Netgenium Systems are a manufacturer of Power Over Ethernet (PoE) products and solutions.

We continue to develop a range of IP products using IP and the LAN to control many elements of your building including: security, access, door intercom and lighting.