



KCA DEUTAG

KCA DEUTAG is one of the largest international drilling contractors. With its headquarters in Aberdeen, the company employs 8,000 staff.

In 2007 the company opened a second facility in Aberdeen and required a network based physical access control solution that allowed them to maintain their existing card database and provide a flexible door entry solution that allowed visitors to be granted access. During normal office hours visitor access was to be managed locally but outside normal hours, management of visitor access was to be managed by the main reception at company headquarters.

The Challenge

The company had an existing, legacy, access control system at their headquarters and they wished to keep the existing card deployment and use it across both systems.

The door entry system had to ring the local reception during office hours and headquarters out of hours. The reception at headquarters also required live CCTV footage of the door area whilst answering the call before unlocking the door remotely.

Summary

Access control solution with the locking hardware from PoE

Door Entry panel must call into telephony environment

CCTV footage of the door area

Remote control of the door

The Solution

To maintain the existing card database, Netgenium systems wrote new device drivers for their lock controllers to read the legacy card serial numbers. Once this was completed, it was possible to connect the existing, proprietary card readers to the ALK3702-IP lock controllers and the access control installation became relatively straight forward.

KCA Deutag had Cisco's IP Telephony deployed at their Aberdeen headquarters and were deploying the technology into the second building.

Netgeniums audio intercom panels were a perfect fit as a door entry system. With their support for the SCCP call control protocol, the panels registered as a telephone handset. It was then possible to configure the phone system to automatically route calls from the panel according to a time schedule. Manual call forward was also provided at the handset.

Netgeniums CallPoint application was installed on pc's at both receptions. This enabled video footage from an Axis IP camera, covering the entrance, to 'pop up' on the pc when a call is answered from the door entry panel. A choice of two methods of controlling the door remotely were available.

Buttons were configured on the CallPoint window and an XML Phone Service was configured to provide a dedicated button on each receptions telephone handset.

About

Netgenium 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.