

Construction Site – City-wide Temporary Access Control.

Biometric finger print access control and Time & Attendance spread over a city.



Location:
Nottingham

Industry Segment:
Construction

Application:
Access Control, Time &
Attendance

Technology:
Biometrics, VPN, M.A.N.

The Problem

Sometimes you need to be able to track personnel working hours and ensure certification compliance accurately where the workforce is spread over a city. In addition, ensuring the identity of personnel using biometrics, eliminating the possibility of fraudulent activity.

One of our clients had just that problem in front of them during the construction of a major project in Nottingham. The site consisted of the building a 16km long passage from a city centre to the outskirts, cutting through roads, housing estates, rivers, etc, and meant a traditional site compound was not possible. Instead, they tackled this by setting up a main compound, several sub-compounds and many micro-sites through-out the length of the proposed route, right in the heart of suburbia.

Whilst new personnel inductions were performed at one of two main compounds, the staff may never return to a main compound, but

Instead be based from a sub-compound or micro-site. It was also required that all personnel carry an identity card.

The Solution

Herongrange's access control package is already tailored for the building and construction industry. Not only does it provide access control (turnstiles and secure doors), but it also has built in Time & Attendance, certification compliance tracking and enforcement, biometrics, construction reporting, ID and proximity cards, and much more.

The first challenge was to link together the projects many sub-compounds into a single metropolitan area network (MAN), which provided secure communications between them. The two main compounds were selected to be the enrollment points, where new staff are added, their ID cards issued and finger print taken.

Since the two main compounds were operated by different divisions, permission levels were defined in order to allow segregated administration,

Herongrange enabled the project's access control to be controlled and monitored from two key locations, even though turnstiles, doors and clocking points were deployed over an entire city.

each division only being able to enrol and administer staff in their own areas.

During enrollment, finger prints are taken for use at clocking points. Being biometric eliminated the possibility of fraudulent activity. ID cards are also issued which include a photo. These ID cards incorporate a proximity chip for use at non-biometric points such as secure doors and turnstiles. The ID card design is bespoke to the project's corporate branding.

The main compounds both made use of turnstiles to control access only to authorised staff, and several secure doors to prohibit staff from certain office areas. Each also had a finger print clocking point.

The sub-compounds also consist of a secure door to protect the office, and a finger print clocking point.

Benefits

Personnel who are enrolled on the multi-site access control system are automatically able to use any of the clocking points at any of the main and sub-compounds using traditional wall mounted finger print readers, or at any micro-site using a remote case. Administration and reporting can be performed at either main compound, and updates are instantly transmitted to all sub-compounds.

Data is also transmitted directly back to the server in real-time, or queued when comms is temporarily offline.

Admin staff have complete control and visibility of the workforce throughout the city, dictating when and where personnel are allowed to access.

Herongrange then monitors the whole solution remotely to ensure issues are prevented or dealt with immediately.

