



First Response Group
We Listen • We Respond • We Deliver



**PUBLIC
HEALTHCARE**

CASE STUDY

ACCESS CONTROL SYSTEM REPLACEMENT

SHEFFIELD, SOUTH YORKSHIRE

CLIENT

Sheffield Teaching Hospitals
NHS Foundation Trust

PROJECT BRIEF:

The swipe card Access Control System at Royal Hallamshire Hospital, Weston Park Cancer Centre, Jessop Wing Maternity Unit and Sheffield Children's Hospital had been run to failure. With the system obsolete it was difficult to find spare electronic parts and replacement swipe cards which was affecting the efficiency of staff and jeopardising the security of both staff and patients. A complete system replacement was urgently required.

FRG won the contract to deliver the project consisting of installation, commissioning and handover of an innovative networked ACT (Access Control Technology) system across the 4 hospital sites. Works could not interfere with the running of the building nor could it compromise the security of restricted areas and the safety of staff, patients and the public. The nature of the buildings dictated that strict hygiene measures had to be observed.

ABOUT THE CLIENT:

Sheffield Teaching Hospitals NHS Foundation is one of the UK's busiest and most successful NHS foundation trusts with a turnover of over £1 billion and around 2 million patient contacts each year.

The trust employs 16,000 people across community health services and five of Yorkshire's best known teaching hospitals. It provides a full range of local hospital and community services for people in Sheffield, as well as specialist care for patients from further afield.



Sheffield Teaching Hospitals
NHS Foundation Trust



THE SOLUTION:

After a full Health and Safety risk assessment FRG implemented a shift working pattern to keep the building running at full speed with minimal disruption during the installation. This included night shifts to work on sensitive parts of the hospital such as the operating theatres during their quietest times. Strict hygiene measures were also implemented by every FRG employee on site including regular handwashing and dust minimisation practises to ensure a clean environment was maintained.

The Vanderbilt ACT system installed by FRG complies to British Standards and Government CPNI standards providing a secure method of protecting premises and people on site, whilst causing as little restriction as possible on freedom of movement. Every door control panel across the multiple sites is networked to a cloud based central database controlled via one terminal in the control room.

Individual access permissions can be amended or revoked immediately reducing the risk from unauthorised access and lost or stolen cards. Doors which previously required manual locking and unlocking each day can be set to lock on a programmed timer which eliminates human error and improves efficiency whilst reducing labour costs.

The new system proximity cards are more reliable than the old swipe cards, allowing staff to move around the building faster, improving traffic flow and reducing the likelihood of technical difficulties. The contactless nature of the cards also helps to improve hygiene levels; a key factor for medical environments.

THE RESULTS:

The installation programme was successful with no security issues reported or interference with the functioning of the hospital during the works.

The technology installed has the future in mind as it can seamlessly integrate with other crucial security systems. FRG are currently designing a migration programme for the 600 camera CCTV system to link with the new ACT and a building hardening phase will see the security at external entries and exits increased.

FRG PRODUCTS/ SERVICES USED

- Networked contactless Vanderbilt ACT system in alignment with British Standards and CPNI Government Standards.

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