



NHS BLOOD AND TRANSPLANT SERVICE CREATING A CENTRALISED SECURITY SOLUTION ADMINISTERED LOCALLY

The Blood & Transplant Service is an integral part of the National Health Service (NHS), whose key responsibility is to deliver blood and body tissue from fourteen Blood Centres, anywhere in England and North Wales.

Every year, the NHS Blood & Transplant Service collect, test, process and store over two million blood donations, which are given through voluntary support from the general public. Another of their core functions is to continually carry out research into improving the safety of blood, and new ways it can be used to help save more lives. Further to this they provide specialist medical advice and clinical support to hospitals, as well as educating and training transfusion medicine specialists.

NHS Blood & Transplant Service held a competitive tender to find a company to fulfill its security and access control needs. G4S Technology was selected as the company to provide the service of upgrading all of the existing systems throughout the Blood Centres and a number of satellite sites.

The Symmetry™ Security Management System (SMS) was implemented, allowing the security provision to be located centrally, while ensuring system administration could be carried out locally. The Symmetry software was installed on to the NHS Blood & Transplant Service network, to allow communication between the Blood Centres and satellite sites.

“The G4S Technology system allows facilities personnel (who have knowledge and understanding of the buildings and the staff) to have direct control over access, which benefits everyone”, Head of Facilities Operations.

Working in conjunction with the principal contractor, Laing O'Rourke, via Crown House Engineering, G4S Technology continued their work for the NHS Blood & Transplant Service by

designing, manufacturing and installing a fully integrated security solution for their new Blood Processing Centre in Bristol.

The system design built upon the existing Symmetry SMS solution already employed across the NHS Blood & Transplant Service network, extending it into the new facility. A video entry intercom system was provided to support their access control, together with a CCTV system, movement detectors and emergency alarms in the disabled toilets. These functions were all integrated within the Symmetry SMS, which allows monitoring and control to be conducted from one terminal.



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Head of Facilities Operations

The security solution at the new Bristol Centre comprises:

- Integrates internal and external applications
- Colour and monochrome switching where necessary for low light conditions, fixed and PTZ domes;
- Digital video recording for all cameras, 24 hours a day and archiving for 14 days with support for 4CIF resolution;
- Indala proximity card readers, connecting over IP based door controllers and linking to the existing NHS Blood & Transplant Service Symmetry™ SMS and associated database;
- Integrated perimeter alarms monitoring from movement detectors (internally and externally), coupled with monitor contacts;
- Half height turnstiles with integrated card readers to reception areas;
- Video intercom call stations routing to two separate control rooms, both for visitor access and operational vehicle access;
- Integrated disabled toilet alarm monitoring.



AMAG Technology

sales@amag.com

www.amag.com

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