

# Royal Gwent Hospital

## Case Study - Health

Client :	Royal Gwent Hospital
Installer :	Trinity Protection Systems
Type of System :	GuardPoint PRO integrated Access Control Solution
Type of Site :	Health
System Description :	GuardPoint Pro



### The Client

This District General Hospital, with more than 3,400 staff and approximately 774 beds, provides a comprehensive range of hospital services for inpatients, day cases and out-patients.

The Health Board as a whole serves a population of more than 600,000 and many of the inpatient and specialist services at the Royal Gwent Hospital support the entire catchment area. Outpatient services are utilised primarily by those in Newport and the surrounding area. In recent years a massive redevelopment programme has been undertaken to provide a new Cardiology Unit, Medical Day Case Unit, Medical Admissions Unit, Paediatric A&E, complete refurbishment of the outpatient facilities and a £5m Ophthalmology and Otolaryngology Unit.

### The Situation

With an existing failing system in place it was more important than ever to ensure a cost effective, future proof solution was found.

The new system needs to run over 5 sites and replace smoothly in phases the legacy system utilising the existing database. An important factor for the trust was to implement a card technology that would future proof the site and enable them to have a versatile card that can be used for many applications on site.



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### The Solution

A GuardPoint Pro system was installed after a vigorous selection process with many integration options required eg. Fire System, CCTV, intrusion and live linking with the existing HR Database.

With so many existing staff spread over several locations repopulating a database with over 12,000 users was done automatically in real time with GPP SQL database.

The system was deployed over the trusts existing IT Network ensuring simple installation in any site with instant connection to the central server.

The final phase brought live over 400 readers, across 5 sites and finished a smooth transition to the new system.

A range of our powerful IC-2000/4000 controllers were exclusively used for intelligent control of the site, with full decision making capability being handled by the controller ensures a valid cardholder would also be granted access regardless of commutation or server failure.

### Highlights

With many application throughout the sites Mifaire smart card technology was implemented meaning the same cards are now being used for Access Control, Cashless Vending, PC Log-on, Biometric Data and Cashless Car parking.

The system was designed and implemented to allow extensive future expansion on door number as well as user numbers without the need to replace or upgrade any of the existing hardware.





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### The Benefits

The trust now have a stable centralised system that has resulted in a more secure environment for staff and patients. With the resilience of the system installed the trust was able to reduce maintenance and running costs of the security system.

### Products Used

#### GuardPoint PRO Software

Alarm Control Module, Badge Design and management, SQL Database, Work Stations

#### IC-2000JX

2-door/4-reader access controller with Flash Memory, 8 inputs (expandable to 16), 4 relay outputs (expandable to 64), 20,000 card holders (expandable to 40,000 cardholders), Housed within a 3.5 A 12 VDC Power Supply.

#### IC-4000JZ

4-door/4-reader access controller with Flash Memory, 8 inputs (expandable to 16), 4 relay outputs (expandable to 64), 20,000 card holders (expandable to 40,000 cardholders), Housed within a 4.5 A 12 VDC Power Supply.

#### Sensor Mifare Readers