

# Monatrix Case Study

Integrated Security Specialists

## At a glance

Energy supplier, British Gas, instructed Monatrix to design and install a fully integrated security system at their new offices in Oxford. The new system would remove the need for an onsite security guard out of hours, and be monitored and controlled by their Group Operations Centre.



## British Gas



**10,000+**  
Employees



**UTILITIES**  
Industry



**1997**  
Founded



## MONATRIX

Security Specialists



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## KEY CHALLENGES



One of the key challenges Monatrix faced was to integrate a system that was compatible with the existing security equipment being used across their sites. Security industry systems are run using ONVIF communication telemetry/ language, which the existing older equipment did not run of. Through constant research and testing equipment, Monatrix identified that several protocol converters were required to allow different manufactures' communication languages to be converted from one to another, multiple times.

Another key challenge was in ensuring that the systems were securely connected with the Group Operation Centre (GOC). In order for this to happen Local and Wide Area networks needed to be configured. V-LANs were also configured to ensure that there were no conflicting issues with other networks. Once the infrastructure had been designed and implemented it required testing to ensure that the communication paths were fit for purpose and remained stable.



CCTV



Access Control



Intercom

## RESOLUTION



Monatrix designed and installed a new system that allowed the customer to set and unset the system with the flexibility to individually control detection devices. The operators had the flexibility to communicate with the onsite intercoms and could control access through car park barriers and doors from the GOC site. They were alerted if an intruder was detected and able to audibly challenge individuals.

The customer is able to secure the building and operate all systems locally and remotely so that the building is secure against intruders. Due to the successful implementation of the system, Monatrix were able to complete the same design across all British Gas sites, reducing man-guarding costs, without compromising employee safety.