

University of Wolverhampton



Sector: Education

Equipment installed :

Access Control

Analogue & IP CCTV

**Bespoke system control
software**

Data network

EVCS (Refuge systems)

Gates and barriers

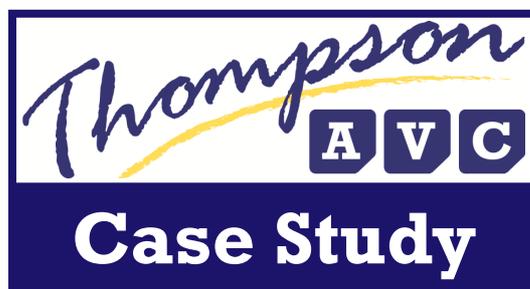
Help points

**Fully integrated and
networked systems**

**Fire alarm and
interface with GUI**

Intruder alarm

Smartcards



With responsibility for maintaining and developing the University's Estate, spread over 3 disparate campuses up to 20 miles apart, and used by over 25,000 students and staff from over 100 countries, the University of Wolverhampton's Estates and Facilities Team have a very important role to play in the day to day running of the whole organisation.

With a mixture of educational and residential facilities ranging from the ultra-modern to those with more character and history; and with matching security, fire and life safety systems; the Estates Team have a wide range of technologies and systems under their management, some of which had been specified before the University owned the site and others which had been installed using different approaches over many years.

To ensure that they not only obtain the best operational efficiency from both the legacy and modern equipment, whilst also maximising value for money, the Estates Team needed to retain the services of a multi-discipline fire, security and life safety specialist, and ideally one with an innovative and customer focused approach to deliver non-standard solutions which add value wherever possible.

That is why, over 15 years ago, the University secured the services of the Thompson AVC team to assess the systems they had in place, and develop a long

term vision and forward plan, to create one of the most flexible and efficient fire, security, communications and life safety networks, whilst also minimising the capital and operational costs required to run it.

Over the years a series of system developments and engineering innovations have led to a very advanced system of management and control, covering all three of the university's academic sites, in Wolverhampton, Walsall and Telford, as well as the halls of residence and all of the additional business and technology centres of excellence.

The Estates Team now have a fully integrated CCTV system covering all three sites, which is controlled from one Central Security Suite located on the Wolverhampton campus.

A series of system integrations mean that a mixture of different technologies can be easily controlled and managed to reduce costs whilst also providing added value and functionality across the Estate.

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Case Study



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A prime example being that, not only is the CCTV system a hybrid mix of analogue and IP based units; allowing the continued use of those legacy cameras which are still fully operational; but it has also been integrated with other systems to provide a range of additional functions.

Another cost saving and efficient use of different technologies working together, is where the CCTV cameras remotely identify out of hours visitors calling via the intercoms on the car park barriers at the Walsall campus. Once the visitors have been identified and approval is given, the barriers are operated from the Wolverhampton Security Suite, who then also have the capability to unset (or set) the intruder alarm in any building on any campus, and can thereby allow access, without the requirement for additional Estates personnel to be present to perform these functions.

The integrated CCTV system is also brought into action when any of the help points or refuge stations are operated around the campus. When a device is triggered, the University's bespoke software front end will flag up an alert on the main screen in the control room and the nearest cameras automatically display the area where the alert was triggered, so that the Estates and Security teams can see exactly what is going on.

Advanced technology, system integration and software has also been utilised to create a bespoke and comprehensive Graphical User Interface (GUI) for all of the fire detection systems across all three campuses, once again meaning that the Estates and Central Security Suite operations team have a global overview of every fire panel in every building at all times.

As a result of the close working relationship that Thompson AVC aim to achieve with every client; further added value has been created through full integration of the access control system with the student database. This means that every student is issued with a smartcard upon registration which not only acts as an identity card, for security personnel to check that only genuine students are allowed on campus, but also works as an access control fob, allowing access to appropriate facilities across the Estate, as well as a payment card allowing use of the library and print facilities.

So if you are looking for a customer focused and innovative security, fire, communications and life safety specialist who will work with you to create bespoke integrated and cost effective systems, whilst adding value on every project, then why not give the Thompson AVC team a call.

University of Wolverhampton



Bespoke design, installation, service and maintenance of integrated security, fire, communication and life safety systems for organisations across the UK.