

Nottingham University Samworth Academy



Sector: Education

Equipment installed :

**IP smartcard
access control system**

Cat 6 data points

Fibre Optic backbone

Fire alarm system

IP CCTV cameras

Disabled refuge points

Intruder alarm system

Public Address system

Soundfield system



The country's first 'university academy' has opened the doors of its brand new £24m campus in Bilborough, Nottingham. The Nottingham University Samworth Academy (NUSA) is a unique partnership between a philanthropic local businessman (David Samworth) and one of the UK's leading universities (The University of Nottingham).

The impressive 3 storey 9,000m² academy was officially opened in early September by Olympic Gold Medallist Dame Kelly Holmes on the site of a former school, and comprises many technologically advanced and environmentally friendly features such as rainwater recycling, a biodiesel boiler and a 'living' roof covered with grass and mosses.

In addition to providing one of the most advanced learning environments in the UK, the school also provides a central focus for the local community.

As well as the state of the art facilities for staff, students and visitors, the new buildings are also protected by the foremost safety, security, fire detection and communications equipment, which has all been installed by the system integration specialists at Thompson AVC.

Having worked on many education projects the specialist engineers at

Thompson AVC have the skills, experience & knowledge to know what will stand up to the rigours of school, college or university life without the need for running repairs or replacement. The Thompson team also add significant value to a project through their knowledge of which specialist systems can communicate with others on site, and will often integrate equipment from a variety of product manufacturers to offer a homogenous system that works to the end users requirements.

In partnership with specialist M&E contractors CA Sothers, main contractors Carillion and project architects Atkins Ltd, the Thompson team overcame technical & safety challenges such as installing systems across significantly different adjoining ceiling heights. A prime example being the campus' central focal point known as 'The Street', a full 3 storey height, 15m wide glass covered atrium.

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Case Study



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Irrespective of the installation height, the Thompson team still ensured full compliance with Carillion's stringent health and safety standards, whilst also ensuring in-house standards of quality and customer service excellence were met at all times.

In accordance with the scheme requirements the Thompson engineers configured the two dozen Panasonic IP CCTV cameras and the Paxton Net2 IP access control system fitted to over 30 door sets to operate in synch over the academy's closed network to ensure complete security.

As well as a 170 device Galaxy intruder alarm system, a 400 point Notifier fire alarm system, all associated disabled refuge points, induction loops, a Bosch PA system, all of the Cat6 data points and a fibre optic network, the team were delighted to install their first Soundfield Hearing Enhancement system which amplifies normal speech to ensure everyone can hear every word from the teacher or lecturer.

Innovation' is one of the Thompson Group's eight core values; and as part of this, the engineers love installing new systems and processes and investigating how they can deliver fully integrated systems.

Maintaining a focus on the latest technology works well within the Thompson Group, due to only using directly employed engineers. This ensures that as new technology is installed on live jobs, this knowledge and expertise is easily disseminated amongst the team at regular meetings and ongoing training sessions in the Group offices fully integrated demonstration suite and training facility.

This benefit along with the Thompson Group's operation of their quality and customer focused ethos of 'Commitment to Delivering Excellence', provides clients with a very experienced team of specialist engineers who can operate easily across a range of disciplines.

As a result, the Thompson Group engineers were pleased to be rated by the main contractors as the best performing sub-contractor on site.

So if you are looking for integrated security, fire, communications or life safety systems to be designed, installed and maintained by a dedicated team of specialist engineers who are 'Committed to Delivering Excellence' on every job, then why not give the Thompson AVC team a call.

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