Schneider Electric improves security at University of West of England

by installing converged system

PROJECT AT A GLANCE

Project Type
Education

Location
University of West England

CUSTOMER BENEFITS

• £2 million contract to improve security at the University of West of England (UWE) in Bristol.

• Schneider Electric is integrating security measures into the existing building management system to create a converged system, working in partnership with Hewlett Packard.

• A recent extension to the campus has resulted in increased security risks which the new system will manage.

• Hewlett Packard is installing a new IP network which will enable a more strategic security system to be implemented by Schneider Electric, to include access control and video surveillance.

Schneider Electric has been awarded a £2 million contract to improve security at the University of West of England (UWE) in Bristol. The company is integrating security measures into the existing building management system to create a converged system, working in partnership with Hewlett Packard, the largest IT company in the world and a global market leader in technology solutions.

With four campuses in and around Bristol, UWE is a modern, growing university, with around 30,000 students and 3,000 staff. It is the largest provider of higher education in the South West of England, and teaches students from all parts of the UK as well as international students from over 140 countries worldwide.

Like all universities today UWE faces security issues, which have increased recently as the campus has been extended. Having a safe environment in which to learn and live can enhance the student experience, and security measures can help staff to monitor students' movements around campus and to protect property.

Make the most of your energy℠

Schneider Electric

[Buildings]

> "We've been impressed with the work Schneider Electric has carried out so far. For example, they've managed to install over 2,000 access doors in our halls of residence and I haven't received a single complaint – which, considering the scale of the task, is remarkable."
>
> **John Rushforth, deputy vice chancellor at UWE,**

As well as being a world leader in IT and technology solutions, Hewlett Packard is also the UK's largest provider of ICT products and services to the public sector. The company is installing a new IP (Internet Protocol) network at UWE, which will allow migration to next generation solutions and will deliver innovative distance learning in conjunction with Polycom and Microsoft.

In addition to these benefits, the new IP network will enable a more strategic security system to be implemented. Working in partnership with Hewlett Packard, Schneider Electric is installing and integrating several security measures, including access control and video surveillance.

Above all, the university wanted a single card security solution. Schneider Electric has therefore implemented security measures which work around the Mifare Smart Card. This allows students to use just one card for access to university buildings and residential areas, but also for cashless vending and as a library and photocopying card.

Designed to work with the Mifare Smart Cards, a total of 2,500 offline Salto doors are being installed within the halls of residence, along with 660 Andover Continuum access control doors and a range of 253 Pelco IP cameras with an Endura front end system.

Previously, the security components installed at the university ran separately, but they are now being integrated with the newly installed Juniper switches and the existing Schneider Electric Andover Continuum building management system, which also controls and monitors heating and lighting.

Matt Coulson, fire and security sales manager at Schneider Electric, said: "The system we are installing will enable security staff to quickly and accurately pinpoint and analyse events, and to respond in a timely and effective way.

"Bringing disparate security components and technologies together means any security breaches can be proactively resolved, but at UWE we have taken the integration of components one step further, to a fully converged system. Here a collection of completely separate processes and devices become one technology, where security, building management, energy management and IT are all integrated."

The use of Schneider Electric's Andover Continuum technology means there will be one system and one command point. The majority of systems and devices will sit on a common single network, and a multitude of things can be controlled, monitored and analysed by one person using a single computer, at any time and from anywhere. This provides a deeper understanding and far more control over the whole security landscape.

The university will also benefit from lower operational expenditure, as training, maintenance, staffing requirements and personnel costs will be reduced. In addition, less cabling, less hardware and reduced installation costs will lead to lower capital expenditure.

John Rushforth, deputy vice chancellor at UWE, said: "Schneider Electric has been a very active partner on this project – and has really supported us in our drive to provide students with a cutting-edge, safe learning environment.

"We've been impressed with the work Schneider Electric has carried out so far. For example, they've managed to install over 2,000 access doors in our halls of residence and I haven't received a single complaint – which, considering the scale of the task, is remarkable.

Schneider Electric Stafford Park 5, Telford, Shropshire, TF3 3BL, United Kingdom Tel: 0870 608 8 608   Fax: 0870 608 8 606 www.schneider-electric.com/uk

MAR 2011

[Buildings **]**

"In addition, the team has really added value; we are in discussions about providing a Schneider Electric engineering degree course and are working on a range of collaborative CSR environmental projects, which aim to make our planet more sustainable."

Brian Fenix, client principal, education sector, at Hewlett Packard EMEA, said: "Our partnership with Schneider Electric has enhanced our proposition, and the converged security system being implemented is increasing the value of UWE's network even further. The Schneider Electric and Hewlett Packard partnership is extremely strong on a global scale, and we've been able to leverage this at a local level, delivering world-class, intelligent building solutions for UWE."

Matt Coulson added: "To create the most secure environments possible, more and more organisations are investing in converged, integrated security strategies based on IP network solutions. And we are finding that in university environments the single card solution is growing in popularity, as it serves a multitude of functions."

Schneider Electric's intelligent security systems have been making buildings and infrastructure more secure and energy efficient for over 80 years. Its solutions include the very latest technology and techniques, and the company is globally recognised as a market leader.

For more information,
visit www.schneider-electric.co.uk
or call 0870 608 8 608.

MAR 2011