

Schneider Electric begins new chapter with Library of Birmingham

Schneider Electric to supply Library of Birmingham with bespoke BMS



PROJECT AT A GLANCE

Project Type
Buildings

Location
Birmingham

Number of buildings:
One

Applications

Schneider Electric installed a bespoke Building Management System, CCTV and access control

CUSTOMER BENEFITS

- A bespoke system encompassing fire, security, power, lighting and HVAC integrated with IT
- Fully integrated solution which will deliver significant energy savings throughout the Library
- Enable facilities managers to collect and share a vast amount of facility and financial data, giving them wealth of business intelligence
- A single software platform, allowing for the entire buildings functions to be controlled from one central location



Schneider Electric, the global specialist in energy management, has won a prestigious contract with Emcor to supply Birmingham City Council with an array of products and solutions for the brand new city centre library.

Set to be the UK's largest public library, the new building is located in Centenary Square, in the heart of the city centre. At a cost of £188.8 million, the Library of Birmingham's state-of-the-art facilities and striking architecture will make it a key attraction in the UK's second city.

The contract, worth over £2 million to Schneider Electric, will see the company specify and install a bespoke Building Management System (BMS), as well as CCTV and access control – aimed at maximising the building's security. Part of the contract also involves developing numerous solutions designed to enhance disabled access to the Library.

Due for completion in April 2013, and due to open to the public in September 2013, the Library of Birmingham will see more than 300 Pelco by Schneider Electric IP video cameras installed both inside and outside the building. There will also be an Andover Contium IP Access Control system and a Schneider Electric ESMI fire system installed as part of the fully integrated solution.

[Building application]

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Paul Harris, bid manager for Emcor

The fire detection and alarm system will be integrated into the Library’s security package in which fire detection, intruder detection, access control, and video monitoring are combined in a single system. By further integrating the fire detection system with the BMS, it is possible to disable the ventilation system in any area where fire breaks out, thereby reducing available oxygen and minimising potential fire damage.

Schneider Electric’s access control system has been devised to meet the most stringent security requirements and will provide encryption and authentication - enabling tamper-proof communications between controllers and Andover Continuum workstations - an integral part of the BMS.

From a single software platform, the various systems have been designed to work together, collecting and sharing vast amounts of facility and financial data, creating a wealth of business intelligence that can be used to improve the overall performance of the library. By installing a single system in which fire, security, power, lighting and HVAC integrate with IT, it is possible to deliver significant savings throughout the building - both during installation and on-going operations.

Steve Harris, sales director of Schneider Electric’s Buildings Business in the UK and Ireland, comments: “The Library of Birmingham required a fully integrated converged solution, giving Birmingham City Council a state-of-the-art, future-proofed facility.

“To meet these needs, we proposed our bespoke system, encompassing everything from security to disabled access, while also providing the central control room with front-end equipment that the system will feed into for ease of use for facilities managers.”

Paul Harris, bid manager for Emcor adds: “We decided to award the Library of Birmingham contract to Schneider Electric as we felt that the proposal put forward by the team had professionally considered every aspect of the building and best met the requirements of the project. The fully integrated solution offered us excellent value for money while helping us to lower the level of management needed on the project, as well as the associated risk.

“We look forward to working with the team to develop a modern, innovative system that will allow a high level of control for the facilities team at the library while ensuring operational expenditure is kept to a minimum.”

Schneider Electric’s intelligent solutions have been making buildings and infrastructure more secure and energy efficient for over 80 years. For further information about Schneider Electric please visit www.schneider-electric.com/uk or call 0870 608 8 608