

[Buildings]

Delivering a truly integrated solution for New South Glasgow Hospitals' Campus

Largest critical care complex in Scotland



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Largest critical care complex in Scotland



PROJECT AT A GLANCE

Project Type

Buildings

Location

Glasgow

Applications

Schneider Electric has been appointed to supply and install a fully integrated SmartStruxure™ solution including Intelligent Building Management System (BMS), lighting control, power infrastructure and network monitoring

CUSTOMER BENEFITS

- Complete, holistic, envelope building solution, integrated to provide central and remote point of control for security, HVAC, lighting, fire and energy monitoring
- Cost-effective and energy-efficient solution delivered within the overall construction budget addressing every aspect of the hospital's specification
- System installed allows for on-going monitoring and maintenance of the hospital, to ensure continued high performance and energy efficiency of estate
- Allows NHS Greater Glasgow & Clyde to meet the demands of government energy reduction targets and levels of patient care at the same time



SmartStruxure™

Schneider Electric, a global specialist in energy management, has won a multi-million pound contract to provide a fully integrated building control solution for the New South Glasgow Hospital.

Schneider Electric won the contract based on its success in previous work on other high-profile hospital projects in the UK working with Brookfield Multiplex Europe and Mercury Engineering.

Brookfield Multiplex are the main contractors of the 170,000 sq m Adult and Children's hospitals, which form part of NHS Greater Glasgow and Clyde and will provide care facilities across 1,109 beds and 14 floors, as well as 30 operating theatres, Accident & Emergency and a full range of state-of-the-art in-patient and day case paediatric services. Built on the site of the existing Southern General Hospital, the hospital will give Glasgow one of the most advanced adult acute services hospitals in the UK and the biggest critical care complex in Scotland.

Mike Sharples, Director at Brookfield Multiplex Europe commented, "Schneider Electric's one-team approach to designing and supplying a management solution for the hospital site was second to none and we are delighted to have them on the project. "

The contract includes the installation of SmartStruxure solution, a full Building Management System (BMS) with integrated HVAC, lighting, fire, security, CCTV and energy monitoring.

Schneider Electric will supply a complete envelope building solution to include BACnet hardware for on-site and remote plant room control, integrated KNX individual room temperature and lighting control, LV and MV switchgear for the entire site and PowerLogic SCADA for electrical network monitoring systems. The system will run on Schneider Electric's StruxureWare Building Operation software, a part of its StruxureWare for Healthcare offer.

A full security system will also be integrated into the solution to include 440 internal and external, hi-res Endura and Sarix IP cameras from Pelco by Schneider Electric. This will enable facilities managers to view live and recorded CCTV data from a single user interface.

During the design development period, Schneider Electric was able to draw on its experiences within the healthcare sector to ensure the most cost-effective solution was delivered, addressing every aspect of the hospital's specification. The

project has stringent energy and carbon targets, with an energy target of 40GJ/100m³ and a carbon emissions target of 80kg/m². The BMS was selected and will be commissioned to achieve optimum performance.

Colin Russell, country segment manager for healthcare at Schneider Electric added: "Our ability to cover such a breadth of areas demonstrated our competence as a team and set us aside from our competitors. Taking a holistic approach to providing an intelligent building for hospitals is key in the current economic climate. This allows the NHS to meet the demands of energy reduction targets and levels of patient care at the same time. The South Glasgow Hospital project is testament to what can be achieved within the healthcare sector when working in collaboration with a professional service provider."



"Schneider Electric's one-team approach to designing and supplying a management solution for the hospital site was second to none and we are delighted to have them on the project."

[Mike Sharples, Director at Brookfield Multiplex Europe](#)



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As the global specialist in energy management with operations in more than 100 countries, Schneider Electric offers integrated solutions across multiple market segments, including leadership positions in energy and infrastructure, industrial processes, building automation, and data centres/networks, as well as a broad presence in residential applications.

Schneider Electric is dedicated to making individuals' and organisations' energy safe, reliable, efficient, productive and green from Power Plant to Plug™.

We are changing our brand names and becoming one Schneider Electric. You'll get the same great quality products, but from one name you can remember and trust. This provides you and your customers with the reassurance associated with Schneider Electric.

Some of our market leading brands have already become Schneider Electric including **Merlin Gerin, Telemecanique, Square D, GET, Mita, Sarel, Himel, Thorsman, Tower** and **TAC**.

Working as one Schneider Electric makes it clearer that our ranges are highly compatible for integrated solutions.

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