



**DT
GEN**



Queen Elizabeth University Hospital

**A matter of
life and death**

POWER WHEN YOU NEED IT



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Case Study

The new 14-floor Queen Elizabeth University Hospital in Glasgow is one of the largest hospital complexes in Europe with an atrium big enough to house a 747 jet, and it has its own team of robots. Home to major specialist services, the super-hospital is built on the site of the former Southern General Hospital and is operated by NHS Greater Glasgow Clyde. The hospital comprises a newly built 1,631 bed adult hospital, a 256 bed children's hospital and two major A&E departments, one for adults and one for children, in addition to buildings retained from the former hospital. The atrium of the hospital houses retail shops and a coffee shop.

Power supplied

Ten 2.5mVA sets at 11kv complete with 65dBA attenuation, split across two packaged plant rooms on level two of the energy centre.

Application

This highly complex project involved overcoming access challenges to transport safely, install and integrate the generators in to the first floor of the hospital energy centre whilst maintaining the power supply to the existing hospital functions. With careful planning and a robust testing procedure complete, the installation provides a complete back-up supply for the entire complex including the new and existing buildings.

Why DTGen?

We were selected for this project due to our ability to meet the stringent criteria set by the client including demonstrating our track record in supply and installation of powerful, resilient systems and run-up synchronisation, with the equipment required for a project of this scale and nature.

We have successfully delivered projects for over 30 NHS hospitals across the UK. Most recent projects include the Western General, Monklands, Five Boroughs, West Cumbarnauld and Cramlington – security of supply is critical, and our experience here is proven.

FIND OUT MORE:

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We were chosen as our ability to turn a complex design into a working solution is second to none. Our team's expertise in designing the generator control system made it easy to test and commission the system while maintaining the back-up supply to the laboratory building. We delivered on our promise and specified delivery date.