

DT

GEN



NHS Orkney

World class  
backup for world  
class facilities

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POWER WHEN YOU NEED IT

## Case Study

NHS Orkney's new £64million healthcare facility, The Balfour, has been hailed as among the world's best. Built by Robertson, the hospital has been designed to put people first and make a positive contribution to the environment, local community and economy – transforming the way healthcare services are delivered on the islands. The building design, by Keppie, is strong and contemporary, rooted in the culture and context of Orkney, and in Kirkwall in particular. The new facility brings together the island's NHS services under one roof, including accident and emergency, GP, dental and other specialist resources.



## Power supplied

Two 1,250 kVA low voltage generator sets.

## Application

The two generators are each enclosed in 75 dBA containers complete with day tanks. We also supplied two 40,000 litre bulk fuel tanks – one tank for the boiler/heating and one for the generators to achieve 200 hours autonomy in case of emergency power outage. The generators are fitted with Comap SPTM controls from the factory which are interfaced to the A and B switchboards on site for full mains synchronisation in compliance with G59-3 for short term parallel operation.

Each set is stand alone with A and B switch room manual bus coupling possible via Castell interlocked incomers to allow for future maintenance and resilience. The generators were FAT tested at our HQ before being installed at site in Orkney.

## Why DTGen?

We have an unbeatable track record when it comes to delivering mission critical power systems for the NHS. In the last 12 months alone, we have delivered mission critical power to projects the length and breadth of the UK including the Royal Hospital for Children in Edinburgh, the University Hospital of North Tees, Royal Alexandria Hospital ITU ward, East Lothian Community Hospital, Gorbals Health Centre and Woodside Health Centre. Our power solutions team is technically expert in this area and our customers rely on us to find the most cost-effective and resilient stand-by power systems to meet their specific requirements.

## FIND OUT MORE:

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*DTGen was proud to be selected to provide the complex backup power system for the New Orkney Hospital. It further strengthens our reputation as the 'go to' generator specialist for the UK healthcare industry. The hospital itself is cleverly designed to blend with the beautiful surroundings of Orkney, while providing all the healthcare services that the local community requires, vastly reducing the need for trips to the mainland.*