

NHS Cardiac Laboratory Chooses shentongroup Generator Solution

Location: NHS Grampian

Location: Aberdeen

Products & Services Supplied: Standby Generators | AMF Panels

Overview

As is the case with of the UK's health boards, continuous power is an extremely important factor in maintaining service levels and protecting lives. shentongroup provided NHS Grampian's Aberdeen Royal Infirmary Cardiac Catheter Laboratory with a 200kVA standby generator and automatic mains failure panel (AMF); a permanent and reliable source of power, imperative for the integrity and operation of the entire project.

The Problem

NHS Grampian was implementing a new Cardiac Catheter Laboratory, as part of Aberdeen Royal Infirmary. The laboratory provides extremely important and time-sensitive medical work. A reliable and permanent source of power is critical for this laboratory and in the event of any inconsistencies of power supplies, lives are at risk from any subsequent delays and compromise in service.

NHS Grampian also required the power solution to their new lab to be supplied and operational as soon as possible, meaning that shentongroup had to respond to a very tight deadline.

Solution

shentongroup's Sales and Marketing Director, Curtis Meek explains how the company responds to tight deadlines; "shentongroup thoroughly understands the importance of continuous power supplies across the healthcare sector. With premises in Andover, London, Edinburgh, Lowestoft and Leamington Spa, we can reach customers quickly with the right resources and expertise."

Curtis added; "In this case, shentongroup engineers travelled overnight from our Andover HQ to Aberdeen with the generator set and connected and commissioned the system in record time to meet the hospital's tight



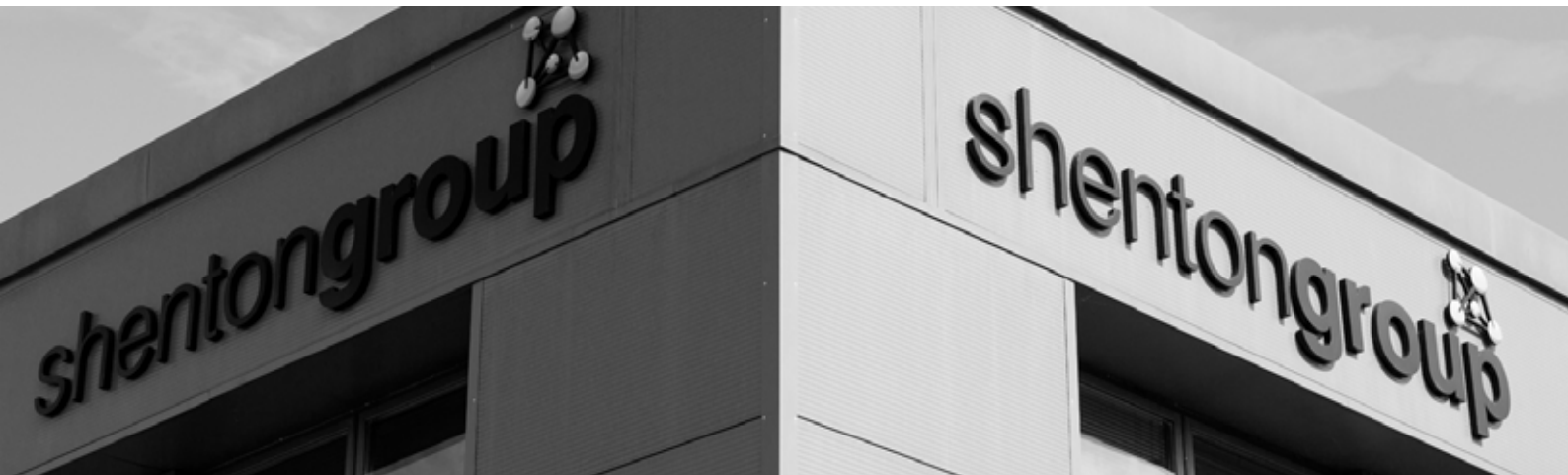
 **Power Systems**

"Lives are at risk from any subsequent delays and compromise in service"

contractual deadlines."

The NHS Grampian Cardiac Catheter Lab was fitted with a 200kVA standby generator with an automatic mains failure panel (AMF), therefore ensuring that in the event of any loss in power of blackout that there is an automatic switch to the standby generator.

shentongroup also arranged for it's refuelling division to undertake regular deliveries of diesel fuel to ensure the set was always operational.



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“Aberdeen Royal Infirmary achieved the swift establishment of its Cardiac Catheter Laboratory, which enjoyed continuous and reliable power supplies”

Outcomes

The generator was initially used for Prime Power support to the lab and the rapid deployment of the solution ensured that Aberdeen Royal Infirmary achieved the swift establishment of its Cardiac Catheter Laboratory, which enjoyed continuous and reliable power supplies.

The Infirmary later installed a permanent mains power supply to the laboratory and the generator solution reverted to a standby generator. The AMF panel now monitors the mains power supply and switches the generator on in the event of any power supply failure.

The supply of the solution to the Cardiac Catheter Laboratory has drastically cut patient waiting times at Aberdeen Infirmary and ensures that the hospital meets its maximum waiting time targets. NHS Grampian's Health Group CEO praised shentonggroup on its management of the project and provision of the continuous power solution: 'We are grateful to shentonggroup for enabling us to react quickly to NHS Grampian's request'.

About shentonggroup

shentonggroup is the UK's leading technical expert in standby power, uninterruptible power supplies, and combined heat and power supplies. The company provides power solutions to organisations spanning a broad array of industries that rely on continuous power supplies and includes; finance, telecoms, manufacturing, retail, education, government, utilities, sport and leisure, and of course, healthcare.

shentonggroup's standby generator range includes single and three phase generator solutions, ranging from 10kVA to 3.2MVA. Being all British built and to the highest quality and safety standards, shentonggroup generators are ideal for use as prime power or standby power supply usage. All shentonggroup diesel generators include; a full range of weatherproof canopies to meet sound attenuation levels; proven industry-leading control systems and switchgear hardware; integral bunded base-frame fuel tanks and fuel management systems; containerised modular solutions; custom built drop-over acoustic canopies; and skid-mounted 'open' sets for specific applications.

shentonggroup Automatic Mains Failure (AMF) Panels, also referred to as Automatic Transfer (ATS) Boards monitor the incoming AC mains supply

and activate the standby generator when mains power fails. When the mains supply returns, the AMF Panel controls a return to the mains supply and shifts down the generator after a suitable cooling run.

To find out more about standby power options, contact the shentonggroup technical team on 0844 888 444 5 or request a site survey at www.shentonggroup.co.uk.

About Aberdeen Royal Infirmary

NHS Grampian is one of Scotland's 14 regional health boards and is responsible for providing health and social care services to over 500,000 people living in Aberdeen City, Aberdeenshire and Moray.

Aberdeen Royal Infirmary's Cardiac Catheter Laboratory examines patients with diagnostic imaging equipment used to visualise arteries of the heart and chambers of the heart. It subsequently treats patients with any stenosis or abnormality found.