

# The power to reduce CO<sub>2</sub> emissions

Hospital makes cost savings equivalent to funding 20 full-time nurses, with CHP unit from Centrica Business Solutions



## Striving for sustainability

University Hospitals of the North Midlands (UHNM) NHS Trust provides services to 900,000 people locally and 3 million people across the region. As part of its vision to be the most sustainable NHS Trust in the country, it was searching for a cost effective and sustainable means of producing energy.

## Energy savings

The Trust is currently running a Switch to a Sustainable UHNM programme in order to reduce energy costs and cut carbon emissions. As well as encouraging all 11,000 staff to make small changes to their everyday work, such as switching lights off when they leave a room, UHNM has also installed energy efficient solutions such as high efficiency burners, LED lighting and heat recovery technology.

To help reduce electricity consumption and also provide heat to the hospital at a reduced cost, UHNM has also installed a Combined Heat and Power (CHP) unit from Centrica Business Solutions, along with a Premier Plus Maintenance Programme.

## The results

A dedicated Centrica Business Solutions project manager was onsite during installation to make sure the CHP unit was in place on time and within budget.

The unit is now saving the Trust around £500,000 per year; funds that could pay for 20 full-time nurses. Carbon emissions have been reduced by 2,000 tonnes; the equivalent of removing 1,000 cars from the road. And with the Premier Plus Maintenance Programme, UHNM has peace of mind that the unit will be running at least 92 per cent of the year, ensuring that it continues to make the expected cost savings, and that this money can then be reinvested in patient care.



CHP unit is saving the Trust £500,000 per year



Cost savings equivalent to funding 20 full-time nurses



Carbon emissions cut by 2,000 tonnes



Carbon reduction equivalent to removing 1,000 cars from the road

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We chose Centrica Business Solutions because their product offered the best fit for our needs. It offered the best savings in consumption, cost and carbon over the 15 year life of the installation. I would definitely recommend Centrica Business Solutions for its CHP installation and for maintenance.”

**Charlie Cox, Energy Manager, University Hospitals of the North Midlands, NHS Trust**

## Why

Centrica Business Solutions combined heat and power units:

- CHP technology enables the organisation to generate its own electricity to heat the hospital, reducing energy costs.
- The unit lasts up to 15 years, providing capital payback within 3-5 years.
- Providing a stable and resilient energy supply, the CHP unit supports the hospitals commitment to sustainability.