

Taking care of CO₂ emissions

We helped the University Hospitals of North Midlands NHS Trust cut CO₂ emissions by 2,792 tonnes a year and reduce their energy costs.



They needed to improve their energy performance

Providing services for approximately 900,000 people locally and three million regionally at Royal Stoke University Hospital and County Hospital in Stafford, energy consumption is consistently high for the University Hospitals of North Midlands NHS Trust. To better manage this, the Trust needed a cost effective energy saving solution with a goal to improve environmental performance and reduce the expense associated with energy generation.

Creating a healthier solution for the long-term

Our role was to install a new ENER-G Combined Heat and Power (CHP) unit on the Royal Stoke University Hospital site. We decommissioned and disassembled their old system and installed the 1.2MW ENER-G CHP unit to deliver greater performance.

Monitoring live energy levels

The ENER-G CHP on-board computer provides a two-way communication channel to the service center. This allows live system operational monitoring so any faults can be quickly rectified.

The results

The ENER-G CHP is helping reduce the hospital's CO₂ emissions by almost 2,792 tonnes a year. This is almost 8% of the Trust's current carbon output, and equivalent to the environmental benefit of removing 991 cars from the road.

With mandate to reduce emissions by 80% by 2050, the University Hospitals of North Midlands NHS Trust is now well on course to hit their target.

Supporting the hospital into the future

The hospital took out a Premier Plus service contract – a fully comprehensive operation and maintenance package. This means they benefit from a range of services including 24-hour remote monitoring, a dedicated site engineer and all-inclusive parts and labor for the contract term.



Royal Stoke and
County Hospital
in Stafford



of CO₂ cut per year



operational
availability

“

This project delivers recurring revenue savings in energy costs. As well as helping to cut carbon emissions and save the environment, all the money saved in energy bills will be redirected to front line patient care.”

Charlie Cox

Energy Manager, University Hospitals of North Midlands NHS Trust

Why choose ENER-G CHP?

- Avoids Climate Change Levy
- Primary energy savings deliver lower energy bills
- Higher efficiency offers reduced greenhouse gas emissions, offsetting the impact of the Carbon Reduction Commitment
- Greater security of supply
- Flexible procurement options
- Zero CAPEX required
- Possible grant funding