

CASE STUDY



VOLTAGE OPTIMISATION IN HEALTH CENTRES

Savings & Benefits

Key Figures

Reduction in energy consumption: **13.9%**
Annual financial savings: **£3,162**
kWh savings per annum: **29,282kWh**

Introduction

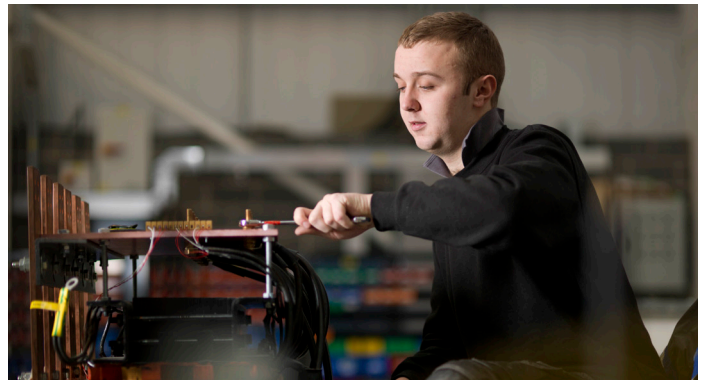
Castlefields Health Centre is based in Runcorn, Cheshire and is part of the NHS Halton Clinical Commissioning Group which is made up of representatives from each of the 17 practices across Runcorn and Widnes. The organisation works with patients and healthcare professionals, as well as in partnership with the local communities and Halton Borough Council to make sure that health and social care is linked together for people whenever possible.

The Challenge

The Centre was the first practice to be built in Runcorn new town, opening in May 2012 and like the Widnes Health Care Centre (part of the NHS Halton CCG), was looking for a quick but effective methods to reduce CO2 emitted from energy use to ensure they meet NHS national aim of reducing carbon emissions by 34% by 2020.

The Solution

Powerstar is a proven method for energy and carbon reduction across a range of NHS sites across the UK helping to save thousands of £'s and help make each site greener. Along with installations at Lowe House in St. Helens and Castlefield Health Centre, Renova Developments are tasked to develop primary care estates strategy for various sites and Powerstar was installed as part of this to help deliver a consistent improvement in quality and save on carbon emissions.



Powerstar manufactured solely in the UK.



Castlefield Health Centre, opened May 2012.



The Powerstar unit installed at the Centre.



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Savings Graphs

Table 1. Average energy consumption by half hour comparing pre and post Powerstar install.

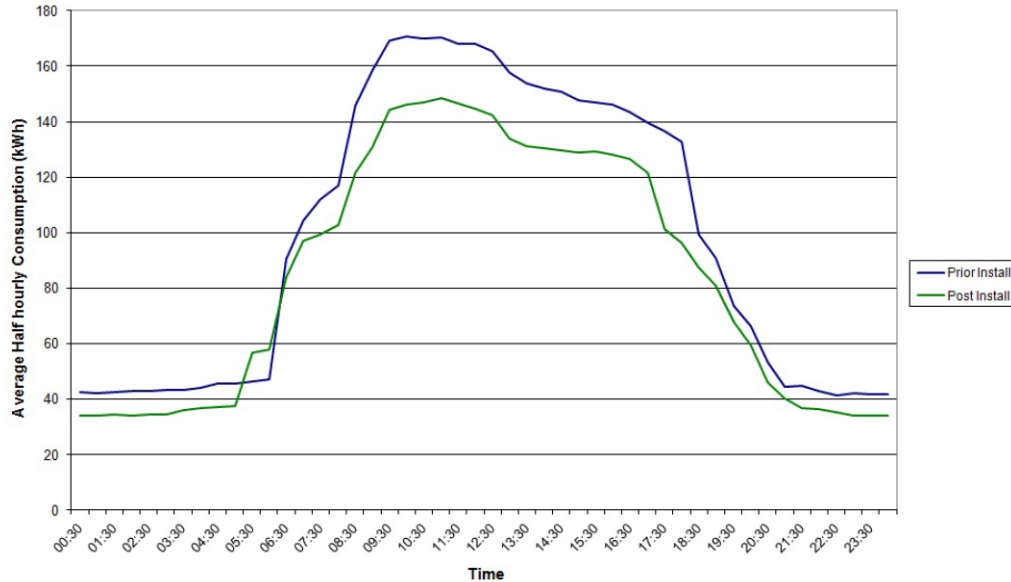
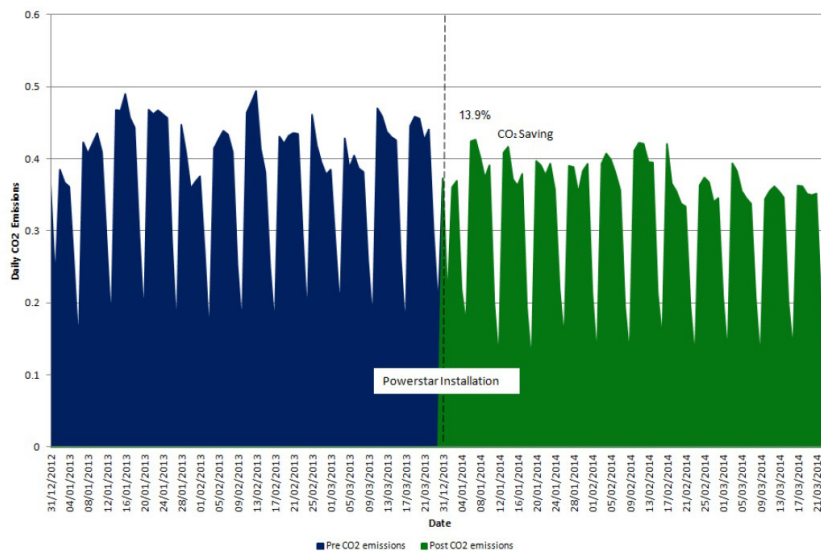


Table 2. Total daily emissions (CO₂) pre and post Powerstar installation .



Other Case Studies

There are a range of case studies and client testimonials available on our website, please visit www.powerstar.com for further information.

Further Information

Please contact the Powerstar Marketing department on 0114 2576 200 or email marketing@powerstar.com

www.powerstar.com