

Case Study

Calderstones Partnership NHS Foundation Trust

- Customer: Calderstones Partnership NHS Foundation Trust
- No of units installed: 2,300
- Electricity Bills: Reduced by £9,700+ / year
- CO₂ Savings: 41 tonnes / year



**NHS Trust saves thousands
through energy-efficient
conversion of existing lighting**

PROJECT OVERVIEW

Calderstones NHS Trust was able to dramatically reduce its lighting-based carbon footprint, by using a retrofit converter, 'Save It Easy®', to install energy-efficient lighting.

BACKGROUND

Calderstones NHS Trust, based in the Ribble Valley, near the village of Whalley, provides services to people with learning disabilities. The Trust has significant lighting needs, with some areas that must be lit 24 hours a day, seven days a week. In fact, due to greater utilisation, Calderstones has increased its lighting usage in recent years – yet recognises that this has a carbon cost.

"Calderstones is extremely sensitive to environmental issues," says Ron Bury, Energy and Environment Manager at Calderstones. "In our new buildings we specify in-built carbon reduction measures from the outset, whilst also looking to continually improve the carbon footprint of the existing properties. Low-energy lighting was obviously something we wanted for our older buildings, but we couldn't afford to compromise, environmentally or financially and we were looking for a cost effective solution."

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THE CHALLENGE

As an NHS Trust that caters to sensitive service users, intrusive construction work at Calderstones had to be kept to a minimum. Since the modern T5 fluorescent lamps are designed in such a way that they do not fit old-style light fittings, achieving energy-efficiency is not ordinarily a simple process. Typically, it requires the old fittings to be ripped out and removed – a disruption that Calderstones understandably wished to avoid.

THE SOLUTION

Calderstones' Ron Bury spotted an advertisement in a trade publication for Save It Easy, which renders the existing light fittings useable with the

new lamps. He explains: "Whilst I had seen similar products on the internet and in magazines, Save It Easy seemed simpler and, generally, looked better."

The NHS Trust carried out an initial trial of 300 Save It Easy converters. In fact, Energys went so far as to specify that if Calderstones was unhappy with the lighting conversion, it would remove the installation and there would be no charge. However, this was not necessary. The trial was such a success that the Trust was able to secure funding for a hospital-wide installation of low-energy lighting.

The full installation included three of the larger buildings on the Calderstones site and six smaller buildings, with conversion of a further 2,000 lamps using Save It Easy.

ESL (Energys Services Ltd), the installation arm of Energys, carried out the installation work, completing the process within one month of being given the go-ahead.

RESULTS AND OUTCOME

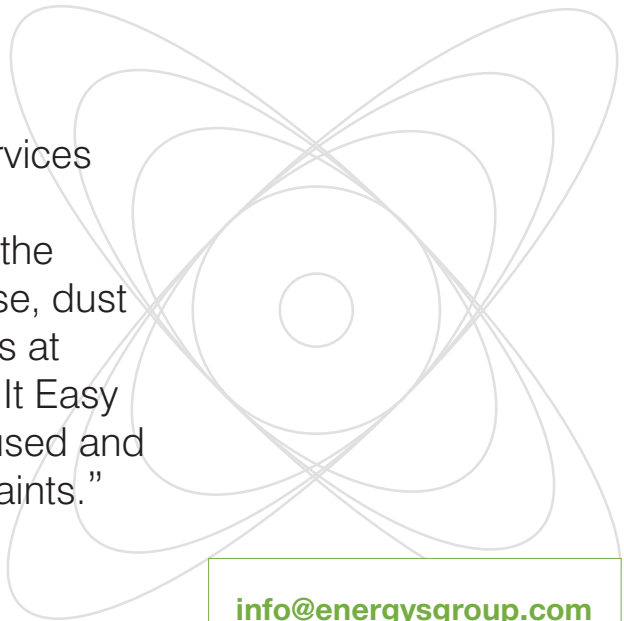
As a result of upgrading its lighting using Save It Easy, Calderstones achieved an annual cost saving of £9,706 and reduced its annual CO₂ emissions by 41 tonnes. A significant part of the saving comes from the increased lamp performance and the associated labour saving, due to lower frequency of lamp replacement.

CLIENT TESTIMONIAL

"We were very impressed with Energys Services Ltd's work during the installation process. Completely removing and replacing all of the fittings would have involved extensive noise, dust and interference for staff and service users at the Trust. However, retrofitting using Save It Easy reduced substantially the disturbance caused and we received very little in the way of complaints."

Ron Bury

Energy and Environment Manager at Calderstones NHS Trust

A large, faint, light-grey version of the Energys logo is positioned in the background, behind the client testimonial and contact information. It features the same stylized atomic-like graphic and the word "ENERGYS" in a light blue font.

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