

Case Study

Hydraulic Centre

- **Customer:** The Hydraulic Centre
- **No of units installed:** 405
- **Electricity Bills:** Reduced by £4,138+ / year
- **CO₂ Savings:** 17 tonnes / year
- **Funding:** The Carbon Trust

PROJECT OVERVIEW

The Hydraulic Centre Ltd, a Coventry-based company that repairs and tests hydraulics, was able to cut its lighting energy consumption in half by using a retrofit converter, 'Save It Easy®', to install energy-efficient lighting throughout its engineering workshop and accompanying offices.



Hydraulics experts save 17 tonnes of carbon a year through innovative lighting upgrade

BACKGROUND

Founded almost 30 years ago, the Hydraulic Centre is well established as one of the country's biggest and most experienced repair centres for hydraulic pumps, hydraulic motors and hydraulic valves. Since precision work is carried out onsite, a high standard of lighting must be maintained at all times. However, Managing Director, Phil Roxburgh found that the old-style fluorescent lamps that the Hydraulic Centre had in place, used up a disproportionate amount of electricity.

"Improving energy efficiency is something we are very concerned about at the Hydraulic Centre," comments Phil Roxburgh. "We've found that implementing better energy practices in our workshop has already led to both financial savings and a smaller carbon footprint. We already have equipment on site that meters and limits the electricity that our machinery uses. It was a natural next step to consider upgrading our lighting – but only provided we could find a cost-effective means of doing so."

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THE CHALLENGE

When the Hydraulic Centre was alerted to the possibility of securing a loan via the Carbon Trust, the time seemed right to take action. "Using Save It Easy – a Carbon-Trust-approved product – we discovered we could carry out the upgrade and keep the existing light fittings in place," says Mr Roxburgh. "However, we found the Carbon Trust forms rather long-winded and difficult to complete."

THE SOLUTION

Responding to similar complaints about the difficulty of applying for financing for energy-efficiency projects, Energys began using its sector expertise to help companies to obtain funding. Energys managed the funding application process for the Hydraulic Centre, from

start to finish – taking the headache out of securing the loan.

With its loan in place, the Hydraulic Centre used a subcontractor to install 405 energy-efficient T5 lamps across its site. Using Save It Easy, the new lamps were simply slotted into the old light fittings, removing the usual need to rip out and replace fittings that do not match the physical and technical specifications of the high-tech lamps.

RESULTS AND OUTCOME

As a result of the new lighting, the Hydraulic Centre cut its lighting energy needs by almost 50%, reducing its annual electricity bill by £4,138. The Hydraulic Centre had no trouble paying back its Carbon Trust loan, since the project achieved payback in just 15

months. The reduction in energy use onsite also translated to a saving of 17 tonnes of carbon each year.

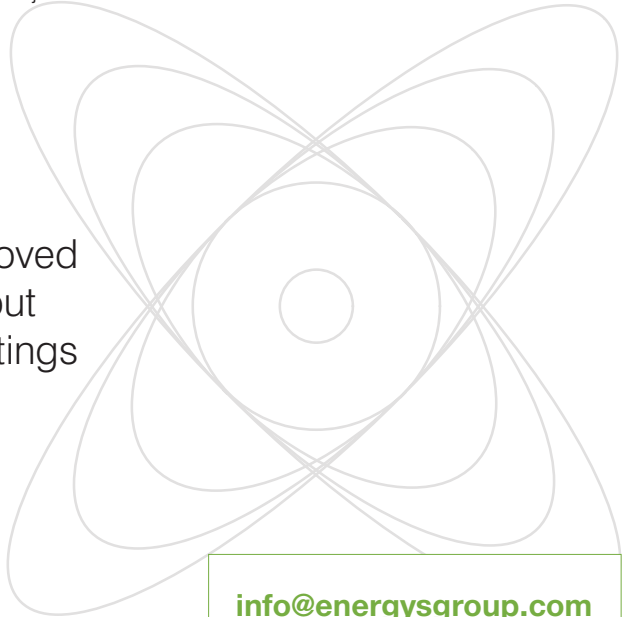
By retaining the existing fittings during the upgrade, the Centre was able to achieve high-quality, low-energy lighting without disruption to staff members or downtime on site. The Centre has also secured a lower maintenance burden, since the new T5 lamps last more than three times' longer and, thus, require replacing far less often.

CLIENT TESTIMONIAL

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Phil Roxburgh

Managing Director of the Hydraulic Centre



info@energysgroup.com
www.energysgroup.com
TEL +44 (0)1403 786212