



powerstar
100% British Engineered. 100% Guaranteed Results.

CASE STUDY



King Edward VI College

King Edward VI College in Nuneaton had targeted its electricity supply as an area where efficiencies could be achieved as part of a broader sustainability programme.

An assessment revealed that the College's energy densities were less than the typical benchmark figures for their building category and that as a result their energy use was higher.

The College asked EMSc to demonstrate why the Powerstar voltage optimisation should be chosen to help improve their energy efficiency.



The college is the only specialist Sixth Form College in Warwickshire.

It has approximately 1100 full-time 16-19 year old students and has an excellent reputation for high standards.

The College was established in 1974 on the site of the King Edward VI Grammar School in Nuneaton.



King Edward VI College

The Challenge

Having acknowledged that its energy use was higher than the typical benchmark the College sought a solution that would improve the efficiency of the electricity used, cut the overall cost of electricity and reduce its carbon footprint.

Voltage optimisation was identified as providing a key part of the solution to improving the efficiency of the incoming voltage and EMSc were invited to show why Powerstar offered the best value for money system.

The Solution

Powerstar impressed and was selected as the preferred voltage optimisation system. King Edward VI College praised EMSc as being highly professional from the outset and keeping clear lines of communication open. Several visits to the site were undertaken by EMSc engineers and were highlighted by the College as being 'highly informative'.

The Business Benefits

The installation was completed in a very efficient and timely manner with no disruption to the College activities.

The College is now monitoring electricity usage very carefully and anticipate that the overall aims of the project will be fully met.

The customer service after installation was singled out for special praise by the College who described it as 'excellent'.



Quotation From Customer

"As part of our sustainability programme we targeted electricity supply as an area where efficiencies could be saved and cost savings made. The aim of installing the voltage optimiser was to save money and energy whilst boosting efficiency. I have no hesitation in recommending Powerstar to any interested party"

Kevin Paisley

Estates Manager, King Edward VI College



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Guoman Hotel Management (UK) Ltd

The Challenge

The company is actively seeking ways to reduce its impact on the environment and works with suppliers, partners and team members to ensure that everyone understands the environmental effect of their operations. All areas of the business are targeted with reducing energy and water consumption and increasing recycling levels.

Energy consumption is the largest environmental impact of the business and the company explores and implements as appropriate, any initiative that could reduce energy consumption. These include low energy lighting, regular boiler efficiency audits, maximum water temperatures and movement sensor-controlled lighting.

Guoman aims to exceed the minimum standards that the business is required to achieve by environmental legislation and sets the general managers challenging environmental targets to meet. Performance in each financial year is accurately measured and a 'Green Hotel of the Year' is nominated in the company's annual performance awards.

Driving down energy costs and CO2 emissions was a major challenge for the company.

The Solution

In October 2008, David Hannah established a process to identify the right source of expertise to help him fulfil his obligations at Guoman Hotel Management (UK) Ltd. Following calls to specialist contractors for their input and detailed research the name Powerstar came to the fore.

Following discussions and onsite surveys the decision was taken to commission Powerstar - the only voltage optimisation system wholly designed and manufactured in the UK – to provide a solution to the more efficient use of incoming energy at many of the company's hotels.

The Business Benefits

Savings in the total electricity consumption from the Guoman hotel installations have hit an amazing 26.1% at the Thistle Hyde Park Hotel. Elsewhere, savings have never been less than 11.5%.

In addition to reducing the cost of energy bills, Powerstar has also enabled the company to achieve significantly lower CO2 emissions and help to lessen the impact on the environment. Machinery is also running at the voltage it is designed to operate at leading to more efficient use, less need for maintenance and an expectation that it will last for longer before needed to be replaced.

{COMPANY NAME}
achieved {£££} savings in energy consumption
from the installation of Powerstar



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