



powerstar
100% British Engineered. 100% Guaranteed Results.

The
ONLY SYSTEM
with a
Patented
DESIGN

THE INTELLIGENT ENERGY SAVING SYSTEM REDUCING ENERGY FOR EDUCATION FACILITIES

Photo: The University of Surrey

Education Facilities from colleges, universities and both primary and secondary schools are increasingly seeking to reduce their impact on the environment by reducing their energy consumption and carbon emissions. Many education providers are seeking technologies that not only reduce energy consumption and carbon emissions but achieve significant savings on operating costs across a whole site.

BENEFITS OF POWERSTAR

-  **HV & LV range of voltage optimisation systems available**
-  **Unique, patented design offering highest levels of efficiency**
-  **Average savings of 12%-15% on annual electricity consumption**
-  **Typical payback periods of 2-3 years**
-  **Guaranteed savings**
-  **Increased lifespan of onsite equipment and reduced maintenance costs**
-  **100% reliability record, no recorded failures in over 13 years of installations**
-  **Up to 15 years warranty* and a 50 years lifespan**

Powerstar is the global market leader in voltage optimisation which works to address over voltage and power quality issues within a site. Established in 2001 and British manufactured, Powerstar optimises and regulates the incoming voltage to meet the requirements of onsite electrical equipment, machinery and appliances, giving them a prolonged lifespan and reduced maintenance costs.

OUR GLOBAL CLIENT LIST INCLUDES



* 10 years warranty outside of UK, Cyprus and Australia

CASE STUDIES & TESTIMONIALS



Sheffield Hallam University

"We are absolutely delighted with the Powerstar system which has reduced our direct carbon emissions by **16%**. In addition, the significant improvement in the life expectancy of our electrical equipment due to Powerstar has shown that the overall carbon savings from this project are considerably higher than originally anticipated." Stephen Ward, Senior Electrical and Mechanical Engineer



UNIVERSITY OF SURREY

Upon installation, Powerstar guaranteed **8.1%** savings on annual energy consumption at the University of Surrey, equating to **189,474kWh** per year. Financially, the University benefits from an annual saving of **\$24,794** on its electricity bills, and achieved a payback period of just over three years.



Portland College

Portland College saved **11.3%** of their annual energy consumption with a Powerstar install. The annual kWh figure not used totals **163,074 kWh**, equating to **85.5 tCO₂** reduced annually and savings of **\$22,441** per year. "Powerstar has been the best investment we have made to reduce our electricity costs and make ongoing savings in the future." Quentin Colley, Vice Principal.



ST HILD'S

The installation of Powerstar at St Hilds' School of engineering reduced energy consumption by **9.2%** which is a reduction of **49,663kWh** used and **27.1 tonnes** saved in CO₂ per year. Along with the annual financial savings of **\$8,546** the school received from reducing energy, such a reduction will also save the school \$581 in Carbon Reduction Commitment (CRC) tax payments.



RACC

Richmond Adult Community College, London, are aware of their corporate responsibility to reduce carbon emissions. Based on the site survey, **210kVA Powerstar** units were installed at two of the College's sites. Following the installation, Richmond Adult Community College is saving an average of **16%** on electricity consumption per annum.



Carlinghow Princess Royal Primary School sought a reliable solution that would allow them to reduce their impact on the environment. The Powerstar system was able to outperform the guaranteed **10.1%** savings predicted, instead achieving an impressive **15.2%**. The system has helped Carlinghow Royal Princess Primary School save **4,434kWh** in just the two months since installation.

Contact us and find your local Powerstar office or distributor details at

www.powerstar.com

Email us at info@powerstar.com

HV SYSTEM

powerstar
100% Break-Engineered 100% Guaranteed Results
HV MAX

LV SYSTEMS

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100% Break-Engineered 100% Guaranteed Results
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Powerstar is manufactured in the UK by EMSc (UK) Ltd