

powerstar
100% British Engineered. 100% Guaranteed Results.

The
ONLY SYSTEM
with a
Patented
DESIGN

HELPING THE FOOD & DRINK INDUSTRY REDUCE ENERGY & SAVE COSTS.









The Food and Drink industry both in manufacturing and production to establishments serving customers such as restaurants, bars and pubs are starting to take steps to reduce their energy consumption.

Some companies remain cautious about implementing energy saving technologies because of the perceived effects these technologies might have on equipment and operating efficiency. The Powerstar voltage optimisation

system is a proven and reliable technology, manufactured in the UK to the highest efficiency.

Powerstar makes savings on LED's and VSD's where many other voltage optimisation systems are unable to do so. Powerstar's patented technology reduces machinery maintenance costs due to improved power quality. This increases long term reliability and reduces down-time without affecting equipment performance.

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**

OUR GLOBAL CLIENT LIST INCLUDES



* 10 years warranty outside of UK, Cyprus and Australia

CASE STUDIES & TESTIMONIALS



Formerly Northern Foods, Gunstone Bakery in Dronfield, is now part of the 2 Sisters Food Group which produces branded and retailer own brand ready meals, sandwiches, pizza, biscuits and puddings. Three Powerstar voltage optimisation units were installed resulting in total yearly savings of **£62,086**. The three units have reduced energy consumption by **8.20%**, **9.84%** and **9.70%** respectively.



Thanks to their Powerstar installation, Olam International made **14.1%** savings in kWh with **203.1 Tonnes** of carbon emissions saved. Guaranteed savings of **8.7%** were given to Olam and this was beaten by 5.4%, resulting in much greater electricity and CO₂ emissions savings than first anticipated. Olam found that the correct voltage lessened the wear and tear to onsite machinery and equipment.



The Powerstar team conducted a full site survey of the Photos Photiades Brewery which produces and distributes Carlsberg in Cyprus and Greece. Following this, Powerstar was installed and the site's voltage was optimised which helped machines and equipment operate more efficiently with a reduction in energy consumption of **17.0%** and a return on investment for the company of just **12 months**.



Following the installation of Powerstar, brownout issues, which were affecting key operations and productivity on site, were reduced. Voltage optimisation has also helped improved the efficiency of Solar PV at the site. The unit was installed with minimal disruption to operations, reducing energy consumption by **14.0%**.



The European plastic division of Silgan Closures, Portola Packaging are an established, high volume supplier of plastic closures to the Dairy, Juice, Water and Food industries serving over 50 countries. Three Powerstar units were installed at the Doncaster Head Office site with each system reducing energy consumption by an average of **8.0%** with an overall payback period of just **2 years 6 months**.



ipH is the agent and distributor of over 50 leading chilled, dry and frozen brands in Cyprus as well as exclusive distributor of all products supplied to McDonald's in Cyprus. The installation reduced energy consumption by **10%**, with a total payback period of **2.5 years** saving **£14,695** in electricity bills per year.

Contact us and find your local Powerstar office or distributor details at www.powerstar.com

Email us at info@powerstar.com

ENERGY STORAGE SYSTEM



HV SYSTEM



LV SYSTEMS



Powerstar is manufactured in the UK by EMSc (UK) Ltd