CASE STUDY

powerstar

BRIDGEWOOD UK

INTRODUCTION

Bridgewood UK are based near Hull, close to the Humber Bridge and are one of the UK's leading producers of thermoformed plastic components.

Bridgewood offer knowledge and capability that is unrivalled in the thermoforming industry. Their modern 100,000ft^2 facility houses a range of modern vacuum forming and 5 axis Computer Numerical Control (CNC) trimming machinery along with composite plastic moulding and PU reinforcement facilities.

THE CHALLENGE

With a full production schedule and two incoming supplies, the challenge for the Powerstar team working with the Bridgewood facilities team was to ensure the survey and installation was planned, timed and executed with as little disruption as possible.

THE SOLUTION

Following the site survey and data logging it was found the two supplies were delivering the facility an average high voltage of around 250V.

Due to the incoming voltages being high but relatively stable, Powerstar recommended the installation of two 1000kVA fixed voltage optimisation systems.

These reduced the voltage by 20V and 27.5V respectively.

SAVINGS AND BENEFITS

Following installation, Bridgewood have recorded a **15%** drop in kWh consumption. This equates to saving around **175 tonnes** of carbon emissions per year.

LITE MAX HV MAX

CLIENT QUOTATION

"We have been looking at ways of lowering our energy consumption and reducing our carbon emissions.

Powerstar voltage optimisation offers a great solution and we are achieving higher than expected savings."

Nabiel Khan, F.C.A Financial Director, Bridgewood UK

BRIDGEWOOD UK: 100,000 square foot facility

SIGNIFICANT SAVINGS: The installation of Powerstar is providing annual savings of 15%