

CASE STUDY

NEWBURGH PRECISION

VOLTAGE OPTIMISATION IN ENGINEERING

Introduction

Newburgh Precision, is part of the Newburgh Engineering brand and are one of the premiere contract manufacturing companies in the UK. Newburgh Engineering was founded 75 years with Newburgh Precision launching in early 2014, based at their new 85,000 sq ft facility in Rotherham, South Yorkshire.

The Challenge

Newburgh were actively looking to reduce waste in any form across their entire operations with a strong commitment to identifying and controlling their environmental impact and improving their environmental performance. This is shown with being accredited to ISO 14001 and Newburgh were keen to install a environmental management system that had guaranteed results with minimal impact on operations during installation.

The Solution

Powerstar presented their findings with a cost value analysis and feasibility study to Newburgh Precision following a full site survey. With guaranteed savings of 7% and proof of minimal disruption a Powerstar Lite 1000kVA Voltage Optimisation Unit was installed on site.

Customer Quotation

“ We are constantly looking to minimise our impact on the environment and when we were presented with Powerstar it gave us an effective, guaranteed option to reduce our electricity consumption and carbon emissions.

Along with the positive environmental impacts we have seen a reduction in motor drive failures, giving us greater efficiency and providing further savings on top of those promised. ”

Dave Burrows, Plant Provision Manager

Savings & Benefits

Key Figures

Reduction in energy consumption: **10.0%**
Annual financial savings: **£14,079**
kWh savings per annum: **156,361 kWh**
Reduction in motor drive failures: **25%**

Benefits

Since installation, the reduction in motor drive failures due to over voltage and quality of the electricity supply has improved significantly with return on investment of 3 years and 2 months.



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Savings Graphs

Table 1. Total daily emissions (CO₂) pre and post Powerstar installation.

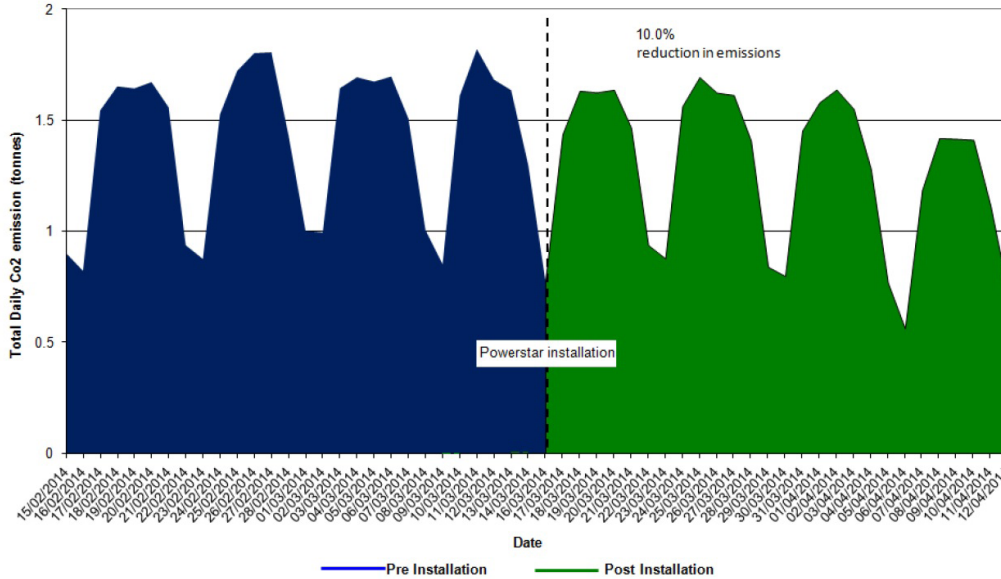
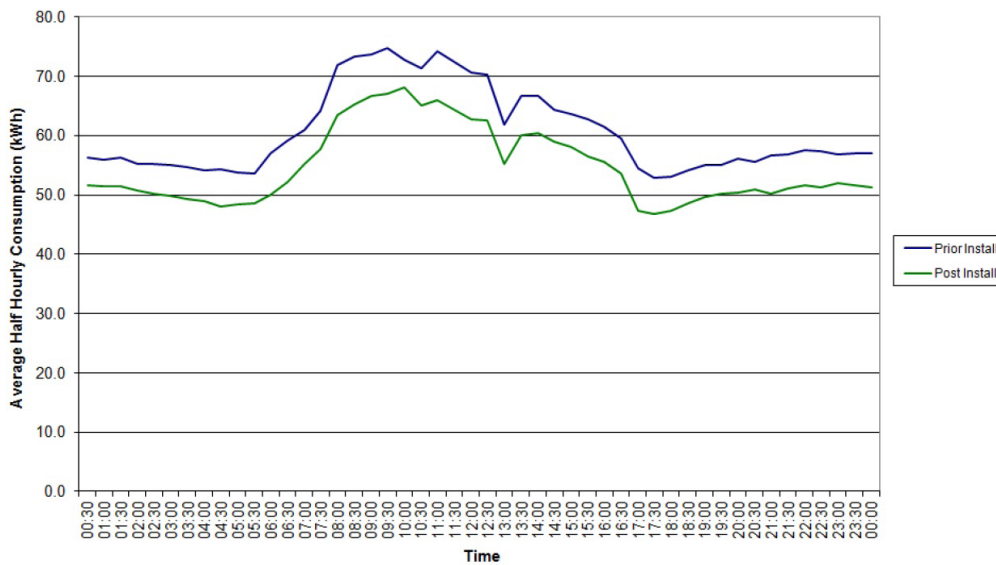


Table 2. Average consumption by half hour comparing pre and post Powerstar install.



Other Case Studies

There are a range of case studies and client testimonials available on our website, please visit www.powerstar.com for further information.

Further Information

Please contact the Powerstar Marketing department on 0114 2576 200 or email marketing@powerstar.com

www.powerstar.com