CASE STUDY

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100% British Engineered. 100% Guaranteed Results.

CHESTERFELT GROUP - Roofing felt manufacturer

THE CLIENT

The Chesterfelt Group Ltd manufacture and distribute roofing membranes throughout the UK. The company operates from a self-contained manufacturing and warehousing facility in Chesterfield, Derbyshire.

THE CHALLENGE

Chesterfelt Group Ltd were suffering from power quality issues, failures in electrical equipment and high maintenance costs from continuous replacement of light fittings.

In addition, the company were looking to address overall electricity consumption and carbon emissions for the manufacturing facility.

Powerstar were invited to measure the average voltage levels on site and propose a solution to tackle the ongoing problems.

THE SOLUTION

When measured, the average voltage for the facility was 241V, and it was identified that this excessive voltage was responsible for much of the power quality issues the company was facing.

Powerstar recommended the installation of a 500kVA Powerstar system, delivering a 5% reduction in voltage.

THE BENEFITS

The result of the installation was an annual reduction on energy consumption of 9.9%, annual financial savings of £10,075 and carbon reductions of 55.7 tonnes per annum.

Following the installation the ongoing power issues were drastically reduced and light failures minimised, therefore contributing to an overall reduction in maintenance costs for the manufacturing facility.

KEY FIGURES

- **Annual consumption savings: 9.9%**
- **Annual financial savings: £10,075**
- **Annual emission savings: 55.7tonnes**

CHESTERFELT GROUP: Independently owned manufacturing company specialising in roofing membranes

SIGNIFICANT SAVINGS: The Powerstar installation reduced annual electricity bills by around £10,000 per year