



*Annual Savings Achieved*

- £10912.00
- 306.62 Tons Co2
- 170910 kW/h site
- 570974 kW/h inc transmission

*System Savings*

- 992 Amps per phase
- 713 kVa Demand

*Payback*

- 5.8 Months

The above client operates in a high volume process environment to manufacture confectionary and contacted Power Efficient Systems Ltd as part of a planned upgrade to one of their four incoming electrical supplies.

The Power Factor Correction equipment was not working correctly and we suggested we look at the remaining three supplies all of which had some degree of inefficiency due to the poor operation of the existing Power Factor Correction equipment.

A maintenance visit was urgently arranged, a detailed report and recommendations was compiled including a payback analysis which indicated the whole site could be corrected within a payback of less than 6 months.

The sites electrical efficiency has now improved from a poor 79% (0.79pf) to a corrected 99% (0.99pf) electrically efficient while an annual maintenance scheme has now been implemented to ensure the efficiency is monitored & maintained

Power Efficient Systems approach to energy reduction at a plants source using proven combined technologies is quite unique within the UK and is proving to be a solid and cost effective route to reduce energy costs and carbon emersions in an ever increasing energy conscious environment.

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