

Improving Your Resource Efficiency

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Savage Haulage Ltd

Location: March Sector: Cold Food Transport Number of FTEs: 36 Turnover: Around £4 million



THE CHALLENGE

Savage Haulage Ltd were actively seeking to reduce their running costs. Their 5 acre site comprises offices, 3 large cold stores and loading bays and a goods yard. With a fleet of 20 lorries for distribution, energy costs were very high. Electricity consumption for 2010 was 2,595MWh, costing in excess of £200,000 a year.

REV ACTIVE'S ROLE

REV ACTIVE was able to identify substantial savings during their visit to the site. They were also able to offer advice on both payback times and funding options for investment in new equipment, including the provision of a REV ACTIVE grant towards energy saving equipment and practices.

THE SOLUTION

Install voltage optimisation equipment to reduce energy costs and carbon emissions. Voltage optimisation works by addressing the discrepancy between the actual supply voltage (typically in the range 207V – 253V) and the optimum voltage that electrical equipment needs (220V). Voltage optimisation can reduce energy consumption – and associated carbon emissions – by up to 20% and prolong the life and reliability of plant. Power Perfector equipment was selected in this case.

The Company has also successfully trialled lowenergy LED highbay spotlighting in one aisle of a low temperature store. Two 400W lighting units have been replaced with two 100W LED units. These have the dual effect of both reducing electrical consumption for

lighting and improving the efficiency of chilling by minimising heat generation. This trial has proved so successful that the whole store has now been fitted with LED lights and cost savings are expected to be in excess of £700 per annum.

The Company aims to enrol all twenty full time staff on a fuel efficient driving programme course at £69 per driver. The first tranche of these are organised at the time of writing. Companies who have put their drivers through fuel efficient driving courses have realised average savings of 10% on fuel consumption, but savings of up to 20% have been known.



THE BENEFITS

Fuel Efficient Driver Training:

- Investment: £1,380
- Cost savings: £100,000 per year
- Carbon savings: 2,500 tonnes per year
- Payback in: 6 weeks

Voltage Power Optimisation

- Investment: £52,000
- Cost savings: £17,000 per year
- Carbon savings: 142 tonnes per year
- Payback in: 3 years

Funded by

