



RENOLIT Cramlington Ltd

INTRODUCTION

RENOLIT Cramlington Ltd is an international leader in the manufacture of high quality plastic films and related products for technical applications.

The site at Cramlington current employs around 280 people.

THE CHALLENGE

RENOLIT Cramlington Ltd actively look for ways to reduce their energy consumption and adopt technologies that are economically and ecologically viable.

Good sustainability practices are shared across the group with the objective of continuously bettering energy management at the core. By implementing energy efficient practices they have already reduced their energy consumption.

Voltage optimisation was identified as a viable technology to help them achieve further efficiencies, and Powerstar were invited to assess the company's energy consumption levels and recommend a guaranteed energy management solution which could deliver the desired environmental benefits.

THE SOLUTION

During the evaluation and load analysis of their site in Northumberland, the average voltage was recorded at 238V with the maximum reaching as high as 243V.

As the voltage on site was high but relatively stable the Powerstar team recommended the installation of Powerstar LITE's across their estate to optimise their supplies.

The first install in early 2016 produced reductions to the annual consumption of 11.7% and provided further reductions to their CO₂ emissions by 361.89 tonnes - sizeable contributions to help the business achieve the European Commissions ambitious 2020 eco targets.

MOVING FORWARD

The second installation took place in late 2016 with guaranteed savings of 6.2%.

KEY FIGURES (SUPPLY 1)

- Annual consumption saving: 11.7%
- Annual CO₂ savings: 361.89 tonnes
- Payback: 2.2 years
- Voltage reduced by: 15V

KEY FIGURES (SUPPLY 2)

- Guaranteed savings: 6.2%
- Voltage reduced by: 12.5V



An example of the RENOLIT Armouren impact resistant film

LITE MAX HV MAX