

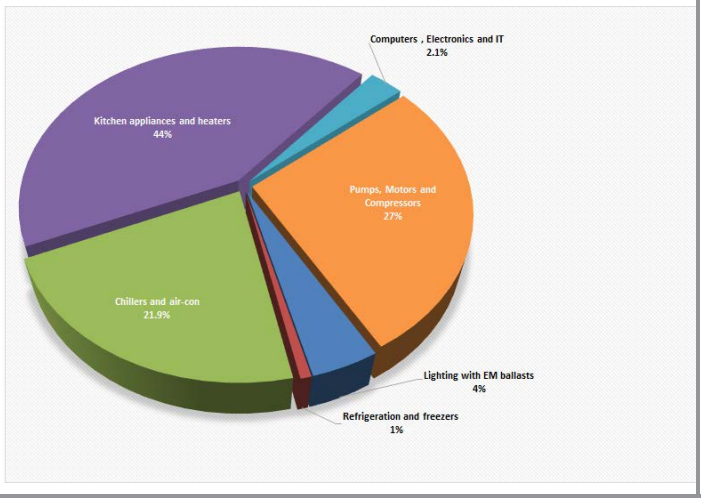

The Client

Manuli Stretch GmbH Group is the largest producer of stretch film in Europe. Its UK company, Manuli Packaging UK Ltd is a producer of bubble film with approximately 12% of the UK's market share.

Savings Achieved

86% Energy Reduction

SMARTech energy worked with Manuli Packaging UK Ltd to achieve Lighting Best Practice. Existing lights were upgraded to LED; achieving instant energy savings of more than 86%. The project was completed with minimum disruption to the operational practices of the business and with the quality of the lighting immediately apparent, SMARTech energy predict a reduction in CO2 emissions of 11.9 tonnes per year and a return on investment within 3 years.



How We Helped

Wiltshire based Manuli Packaging UK Ltd have expanded their production areas and were keen to control energy costs. SMARTech energy were approached to help reduce these costs and to meet Manuli Packaging's obligations under the Carbon Reduction Commitment (CRC) Energy Efficiency Scheme.

With the use of data analytics, recommendations were made to help identify adjustments needed to optimise cost and energy efficiency. Analysis of the total site load identified that the main bubble wrap production machine and its ancillary components accounted for 61% of the site's energy consumption. In-depth monitoring of this machinery was then carried out to understand the profile of energy consumption and wastage and a full electrical distribution upgrade was carried out by SMARTech energy's electrical services team to improve efficiency.

In addition, it was quickly understood that a comprehensive LED lighting upgrade would improve illumination within the warehouse and offices; enabling substantial energy savings that would also improve the quality of the working environment.

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	Andrew Short, Managing Director of Manuli Packaging UK, said “The reporting that SMARTech energy provided was impressive. The new lighting levels instantly improved the working environment and we have seen a levelling of power costs against the new machinery which we installed. It’s been an incredibly worthwhile project”.