

Uni Mill Engineering

Swindon, Wiltshire

Technology: Solar PV panels

System size: 237kWp

Annual Output: 221,339kWh

Annual CO2 savings: 61.3 tonnes

Payback period: 3 years

25 year financial savings: £2.4million

Uni Mill Engineering Ltd is a manufacturing company based on the M4 corridor in Swindon, Wiltshire. Established in 1977, the organisation has more than 40-years experience in manufacturing for a wide range of clients within the automotive, aerospace, defence, electronics and medical sectors.

With significantly high energy costs due to the energy crisis and the need for companies to reduce their carbon emissions, Uni Mill approached Solarsense to design a solar PV system for their factory roof. This initiative was the first renewable energy scheme for Uni Mill Engineering and demonstrates their commitment to decarbonisation in the lead up to net-zero.

As well as mitigating more than 61 tonnes of carbon emissions per year, the large-scale on roof solar panel system is estimated to generate a net profit of more than £2.4million for the organisation over the next 25-years and payback installation costs in just over 3-years.



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Like many organisations, we have become increasingly aware of our carbon footprint and are focused on the ways we can improve our environmental sustainability.

As a manufacturer, one of the key areas identified was the high levels of electricity required to power our machinery, therefore we decided to install a large-scale solar panel system capable of providing enough renewable energy to help significantly reduce our imported energy. Working with Solarsense we were able to analyse their projected data for our site and perform a cost-benefit analysis, which determined a 237kWp system would provide the optimum solution”.

Craig Jones, Ancillary Manager – Uni Mill Engineering

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