

TJ Vickers & Sons Ltd: Solar PV



Key facts

Location: Trench Road, Trench, Telford TF2 6PL

Grant recipient: is a family owned business. Established in 1962, Thomas Jeffery Vickers was the founder member of T J Vickers and Sons. Three years later sons Colin and Steve joined their father completing the partnership in June 1965. In 2010 they opened their second Suzuki site on Trench Road, Telford further enhancing their commitment to both brands throughout Shropshire.

Building: Car showroom and servicing premises

Solar PV: Solar panel electricity systems, also known as photovoltaics (PV), convert the sun's energy to generate electricity. These cells don't need direct sunlight to work – they can still generate some electricity on a cloudy day.



Renewable energy installation: Solar PV

Additional capacity: 80 kWp roof mounted system
kWp is the peak power of a PV system or panel. The power is calculated under a standardised test for panels across all manufacturers to ensure that the values listed are capable of comparison.

Predicted energy generation: 72,447 kWh

A kilowatt hour (kWh) is the energy consumed by a 1,000-watt or 1-kilowatt electrical appliance operating for 1 hour.

CO₂ saving per year: 20 tonnes

Based on an emission conversion factor of 0.2773 of a kilogram of carbon dioxide per kilowatt hour.

Financials

System Cost: £55,361

Funding: 50% Marches Renewable Energy grant;
50% TJ Vickers & Sons Ltd own funds

Predicted payback time from energy cost saving:
8 years, reduced to 4 years with the 50% grant

For further information

Marches Renewable Energy (MarRE) is an ERDF funded grant scheme towards renewable energy projects in Herefordshire, Shropshire and Telford and Wrekin.

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www.herefordshire.gov.uk/MarRE