

Golden Bear Products Ltd



Key facts

Location: Horton Wood, Telford, UK

Grant recipient: Golden Bear Products Ltd design and distribute high quality toys to many prestigious clients worldwide. Operating in today's climate Golden Bear have a reputation for being innovative, the solar power project was a natural next step on their sustainability journey. They are proud to be one of the first companies in their area to take this step in supporting a greener future and the support from the Marches Renewable Energy team has been instrumental.

Building: Premises for design and distribution of toys.

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: 100 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: 98,668 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: 27.36 tonnes

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

Financials

System Cost: £54,896.58

Funding: 50% Marches Renewable Energy grant;
50% Golden Bear Products own funds

Predicted payback time from energy cost saving:
8 years, reduced to 3 to 4 years with the 50% grant

For further information

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

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