

## **SOLAR PV CASE STUDY** **DENNY BROS LTD**



50kWp Solar PV array at Denny Bros Ltd.

### **Background:**

Denny Bros Ltd is a Suffolk based company in Bury St Edmunds, inventors of the Fix-a-form multi-page label supplying a number of different markets. Renewable energy is important to Denny Bros and they wish to reduce their dependence on fossil fuels. There was also a strong business case as well as the environmental argument. After considering the various options Solar PV was the best choice for them as they understood it to be a well proven technology, providing a better return on investment, and is easier to install than other renewable technologies.

What really sets this installation apart from others is that Denny Bros have installed Solar Edge Power Optimisers which boost the inverter efficiency to an impressive 99.5%. Each panel works autonomously, lessening the overall effects of partial shading and short-term environmental conditions which would otherwise affect the whole of the system.

**“Evogreen provided the best support all round, and really seemed to want to work with us. They also provided the best overall value for money”**

Julian Colman – Quality Manager



## The installation:

- 50kWp solar PV array
- Axitec 250 polycrystalline Solar Panels
- Solar Edge 3-Phase Inverters with Power Optimisers
- Solar Edge Web Based Monitoring System

## The benefits:

- Annual output of 45,000kWh
- Reduced energy costs of £122,878 over the project lifespan
- 468 tonne reduction in CO<sub>2</sub> emissions over the project lifespan.
- Revenue generated from FiT £151,635 over project lifespan



## Testimonial:

"What we ended up with was a specification that is somewhat higher than many other PV installations, and this should provide us with a higher overall output than a more standard installation.

I was particularly pleased to be able to get a 20 year warranty for the inverters, and would definitely be happy to work with Evogreen on other projects in the future." **Julian Colman – Quality Manager**

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## Want to find out more?

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- Reduce your energy costs
- Lower your carbon emissions
- Generate additional revenue

To find out more, please get in touch with one of the Evogreen team:

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