

Sustainable Packaging: Box Factory's upgrade with a Second & Third Solar PV Installation



The Box Factory formed in 1992 are an independently owned corrugated packaging manufacturer and supplier to a wide range of industries from automotive to medical, food to chemical.

CLIENT
BOX FACTORY

SECTOR
PACKAGING

TECHNOLOGY
SOLAR PV

SYSTEM SIZE
170.97kWp

YEAR 1 GENERATION
167,108 kWh

YEAR 1 SAVINGS
£41,587

PAYBACK
3-4 YEARS

LOCATION
LEAMINGTON SPA



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Helen Booker, Marketing Manager





I The Background

The Box Factory are a corrugated packaging manufacturer who have sustainability completely at their core. The corrugated cardboard used to manufacture boxes is made from recycled sources and is FSC certified

The Box Factory is on a journey towards being more sustainable this progressed in 2020 when Perfect Sense installed a solar panel array on their main factory building.

The Box Factory said: "Sustainability is at the heart of what we do, and we try to promote that wherever we can." "The performance of the first array we had installed was impressive, the data showed considerable savings to our energy bills, so it made financial sense to go for phase two. We have the roof space and although it's a financial outlay, from a sustainability point of view it's good to reduce our reliance on fossil fuels and use the solar panels to generate some of our electricity."

I The Solution

Two bespoke 74.62kWp & 91.43 kWp solar PV systems designed by Perfect Sense Energy comprising 405 solar panels that covering a roof area of 778.6 m² were integrated into Box Factory's existing roof structure, the system is forecasted to generate over 167,108 kWh of clean energy in the first year which results in projected savings of over £41,587 per annum. Combined with their original system they now generate 371 kWp of solar power across their three buildings

I The Results & Feedback

Beyond the numbers, the feedback was overwhelmingly positive. The Box Factory said "The install wasn't disruptive; we could still access our buildings and the guys were very clean and tidy. We didn't even know they were there, to be honest." "Generally, we're very pleased with everything. It's all working perfectly. Our FD has got the app, so he can see all the systems live and see what they're generating."



"I think for a business of our size it's great to have such a positive investment that's going to, ultimately save money off our energy bills. But it is really good from all aspects of our sustainable credentials really. So, yeah, brilliant. I'm really pleased. "

Helen Booker, Marketing Manager