

Canford Manufacturing LED Lighting Project



Project cost
£11,957.64

Estimated Savings
£2,920 / 10 tonnes of CO₂ per year

Equipment / Installer
119 LED light units - Light Sense LED Ltd

**Grant
awarded:
£4,783.06**

**Estimated
Annual
Savings:
£2,920 / 10
tonnes of CO₂**

The Project

From Canford Manufacturing's factory in Portland, the firm produces and manufactures an extensive range of equipment for the audio video and communications market. With a large factory floor area, long operation hours, and limited natural light Canford manufacturing were an ideal candidate for an LED lighting upgrade. By switching to LEDs the company will save a huge £2.9k on bills each year, and 10 tonnes of CO₂ from their annual emissions.

Getting started

The Canford Manufacturing factory was originally a MOD building, but during their time on the site Canford has made some major improvements to the building's roof insulation, double-glazing and heating system. The company has also invested in upgrading a proportion of their lighting to LEDs. Keen to upgrade the remaining lights to LEDs, but struggling with limited funds, Canford applied to Low Carbon Dorset for support. An energy report carried out on-site confirmed that switching the remaining lights to LEDs would make large financial and energy savings.



LED Lights:

The large floor area and limited natural light in the factory means there were huge demands on the company's existing lighting system. By replacing 102 old inefficient light units with 119 LEDs Canford were able to make significant savings in energy bills and carbon emissions. The cost to upgrade the lights was just under £12k, but with a £4.8k grant from Low Carbon Dorset this brought the project cost down by 40% to £7k. This cost will be repaid in just over 2 years by the money saved in electricity bills thanks to the massive reduction in energy needed to power the new LEDs compared to the old lights.

Other recommended measures:

Many of the standard energy efficiency measures had already been done by Canford, but opportunities to reduce their carbon footprint further could include installing a solar PV array on the factory roof, conducting a leak survey on their compressed air system and the fitting of inexpensive radiator reflectors to external wall radiators.



The project went very smoothly from start to finish. Not only are we now reducing our carbon footprint whilst saving money, but the quality of the LEDs is far superior to our old fluorescent tubes and the factory is a lot brighter.

Gavin Drake, Production Manager –
Canford Manufacturing