

# MouldCAM – LED Lighting Project

Grant  
awarded:  
**£5,603.20**

Estimated  
annual saving:  
25 tonnes of  
CO<sub>2</sub> / £6K

**Project cost**  
£14,008

**Estimated Saving**  
25 tonnes of CO<sub>2</sub> per year – £6k per year

**Equipment / Installer**  
56 x LED high bay lights (Low Energy Solutions)

## The Project

MouldCAM designs, engineers and manufactures large scale composite structures, high precision tooling and complex 3D shapes for architectural, sculptural, marine and industrial applications.

To reduce the carbon footprint of their premises, MouldCAM replaced high bay lighting in their workspace with highly efficient LED equivalents. Saving the company an estimated £6k a year and reducing their electricity usage by 58%!

### Getting started

As part of ongoing business improvements MouldCAM acknowledged that action was needed to reduce their environmental impact. They set out to identify how this could be done.

After an inhouse fact finding mission into their current energy habits and use, and with the help of an energy specialist, MouldCAM were able to pinpoint the source of their high energy demand - their workshop lighting. This revelation led them to look into LED alternatives.



It was at this stage that MouldCAM applied for support from Low Carbon Dorset to explore their options further. An energy report produced by Low Carbon Dorset confirmed that by switching to LEDs the company could expect to see huge reductions in their carbon footprint and energy bills.

With this recommendation, MouldCAM applied for a grant from Low Carbon Dorset to cover 40% of the cost to switch.

### LED Lighting

56 existing high bay halide lights (400w) were replaced with 56 equivalent LEDs. By making this switch MouldCAM will reduce their electricity use by 58% and save on average £6,000 a year on their energy bills.

### Other recommendations

Further recommendations made in the MouldCAM Low Carbon Dorset energy report included; the potential to generate renewable electricity from solar panels, and the replacement of the existing heating system with heat pump.

MouldCAM can apply for further grants from Low Carbon Dorset to carry out these recommendations until the programme ends in 2020.



“Adding in LED lights helps us achieve our environmental goals and shows our commitment to clients and employees. Our new lights are brighter and more efficient, so a plus all round.”

Jaime Marina, Director



**European Union**  
European Regional  
Development Fund

