Energy Efficient East Sussex

Commercial & Industrial LEDs

Sustainable Business Partnership
Community Interest Company

East Sussex County Council

A hotel, manufacturer and bakery in East Sussex have updated their lighting to low-energy LEDs.

Each received a £1,000 grant from the Energy Efficient East Sussex programme, funded by East Sussex County Council to help business improve their profitability and reduce their carbon footprint.

Sensor control

At the East Sussex National Hotel and Golf Club near Uckfield, Maintenance Manager Edwin Enriquez is taking a pragmatic approach to upgrading the 3,000 light fittings to LEDs.

“We are identifying where the best energy savings can be achieved" he explains. "The back stairwells and corridors were an obvious place to start”.

Here 70 wall-mounted fluorescent lamps were switched on 24 hours a day in case of emergency. Retaining the existing fittings Edwin and his team swopped the 2D shaped lamps with LEDs, each with an inbuilt microwave sensor to automatically reduce light levels to 10% if no presence is detected for a set period of time.

“The project cost £1,800” says Edwin. “However each year we should see a £970 saving in our energy bills - a decent return on investment”.

LED '2D' retrofit

Low-bay LED

'Corn' style LED

Replacing lamps at Screen Solutions

Low-bay retrofit

Screen Solutions in Peacehaven also chose a retrofit solution, replacing 17 screw-in metal halide lamps in their warehouse with ‘corn’ style LEDs. This reduced electricity usage per fitting from 400 Watts to 80 Watts, saving over 17,000 kWh and £1,800 per year.

Screen Solutions also received a free Energy Audit from the Energy Efficient East Sussex programme. John Stapleton, a Buyer for the company, said, “We incorporated the recommendations from our audit into the targets and objectives of our ISO 14001 Environmental Management System. Lighting is a key area where we can quickly reduce energy usage and carbon emissions.”

Specialist fittings

1066 Bakery in St. Leonards-on-Sea installed 9 new, low-bay LED fittings, to replace ageing metal halide lamps. A clean environment, they required a model with IP65 rating to ensure against liquid and solid particle ingress.

The 120 Watt LEDs cost a total of £2,750, but have provided an annual cost saving of over £800. When the sun is shining they are powered by the family-owned bakery’s 14 kWp solar photovoltaic array.

Energy Efficient East Sussex helped SMEs reduce annual greenhouse gas emissions by over 150 tonnes. It was delivered by the Sustainable Business Partnership CIC.

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