

Case Study

Western Power Distribution

- Customer:** Western Power Distribution
- No of units installed:** 1,049
- Electricity Bills:** Reduced by £8,400+ / year
- CO₂ Savings:** 35 tonnes / year

PROJECT OVERVIEW

Western Power Distribution installed energy-efficient fluorescent lighting using retrofit converter, 'Save It Easy®', at its Cwmbran premises, slashing its lighting-based carbon footprint by 45%.

BACKGROUND

Western Power Distribution (WPD) is a busy operation, delivering electricity to more than 7.6 million customers over a 55,300 sq km service area, and it takes its environmental responsibilities very seriously. Environmental care and protection is a key priority for the business and its highly successful "keen to be green" initiative, supports a range of community activities like tree-planting and energy conservation.

CLIENT TESTIMONIAL

"We are delighted at the prospect of cutting the carbon footprint of our Cwmbran site by an amazing 35 tonnes of CO₂ a year. The Save It Easy lighting installation is proving to be a cost-effective part of achieving this goal."

Mo Eshelby

East Wales Distribution Manager at Western Power Distribution

THE CHALLENGE

In an effort to improve energy-efficiency at its Cwmbran site, WPD planned to upgrade its fluorescent lighting. However, due to size and technical differences between the old-style fluorescent lamps and new T5 lamps, the previous practice for upgrading to energy-efficient lighting had been to rip out and replace all the light fittings – a wasteful approach to carbon reduction.

THE SOLUTION

Thanks to the innovative Save It Easy converters, however, WPD was able to reduce energy use without the expense, waste and disruption of replacing the light fittings.

WPD enlisted commercial lighting specialist, Litenow Limited, to upgrade 1,049 of its fluorescent lamps. Using Save It Easy, a plug-in device, Litenow was able to slot the replacement low-



energy T5 lamps into the existing fittings at the WPD Cwmbran site.

RESULTS AND OUTCOME

As a result of the project, WPD reduced its annual lighting energy consumption by 45%, saving 65,798 kWh of electricity every year. This translates to an annual cost saving of £8,480. The massive savings mean that the Save It Easy upgrade paid for itself in just 3 years and 2 months. What's more, the project produced carbon dioxide savings of 35 tonnes a year.

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