

## Case Study

# Westfield Community Technology College

- Customer: Hertfordshire County Council
- No of units installed: 1,000
- Electricity Consumption: Reduced by 84,000 kWh / year
- CO<sub>2</sub> Savings: 36 tonnes / year

### PROJECT OVERVIEW

**Westfield Community Technology College in Watford installed energy-efficient fluorescent lighting using retrofit converter 'Save It Easy®', reducing its lighting energy consumption by 40%.**



### BACKGROUND

With 1,150+ students, aged 11-19, Westfield Community Technology College is a busy, lively school. And it's not only the students who use the school's extensive facilities. Westfield has a swimming pool and sports hall on site, which are used by the local community until late into the evening, seven days a week and throughout the year. These long hours represented a significant outlay for Westfield in terms of electricity for lighting.

### THE CHALLENGE

Westfield needed to find a way to drive down the energy costs and carbon footprint arising from its outdated fluorescent lighting. However, such a busy school and community hub couldn't be disrupted by noisy or expensive installation works. Completely replacing the light fittings throughout the school was simply not an option. A retrofit solution to upgrade the fluorescent lighting was the only way to go.

### THE SOLUTION

Identifying Save It Easy as a retrofit alternative to disruptive installation works, facilities manager Mouchel Parkman, acting on behalf of Hertfordshire County Council, carried out an initial trial of the plug-in converters.

Following the success of this trial, 1,000 fluorescent lamps throughout the school were replaced with new-style, energy-efficient equivalents using Save It Easy. The ability to fit all switch start and quickstart lamp sizes was a major factor in choice of the Save It Easy solution.

### RESULTS AND OUTCOME

After the fluorescent lighting was upgraded, Westfield's lighting energy use was reduced by a staggering 40%, giving an annual reduction in electricity consumption of 84,000 kWh. What's more, the project netted savings of 36 tonnes of CO<sub>2</sub> every year.

Taking into account both the product and installation costs, the project paid for itself in less than 3 years.

[info@energysgroup.com](mailto:info@energysgroup.com)  
[www.energysgroup.com](http://www.energysgroup.com)  
TEL +44 (0)1403 786212