

## Case Study

# Sudbury Upper School and Arts College

- Customer:** Sudbury Upper School and Arts College
- No of units installed:** 1,200
- Electricity Consumption:** Reduced by 136,000 kWh / year
- CO<sub>2</sub> Savings:** 58 tonnes / year

## PROJECT OVERVIEW

**Sudbury Upper School and Arts College in Suffolk installed energy-efficient fluorescent lighting using retrofit converter 'Save It Easy®', reducing its lighting energy consumption by 50%.**

## BACKGROUND

Sudbury Upper School and Arts College is a bustling Suffolk school with more than 1,000 students. Its aim to raise standards of achievement for all of its students is matched by a commitment to saving energy wherever possible.

## THE CHALLENGE

The old-style fluorescent lighting in place at Sudbury Upper School was identified as a key source of energy waste. However, any project to upgrade the lighting to more energy-efficient standards could not be allowed to disrupt the lives of staff and students at the school. Any lighting upgrade needed to be carried out during the school's brief half-term holiday period. This meant that a simple retrofit solution was in order.

## THE SOLUTION

During the October half-term break, Energys Services Ltd (ESL) removed

1,200 old-style fluorescent lamps from the Sudbury Upper School premises and replaced them with T5 energy efficient equivalents, using the Save It Easy conversion kit. The plug-in conversion of the lamps was so straightforward that the entire installation could be carried out in the space of just a week – with no disruption to the everyday running of the school.

## RESULTS AND OUTCOME

Despite the tight timescale, ESL completed the job on schedule. This included, as part of the service, restoring to working condition any lamps that had been inoperative. Roger Doe, Site Manager at Sudbury Upper School, expressed himself as extremely happy with the installation and reported no problems whatsoever since completion.

Consistent with the Energys policy of recycling as much waste as possible,



Energys also removed all old lamps from the school premises, leaving the site clean and tidy. All packaging and old fluorescent tubes were recycled by licensed agencies, consistent with the disposal requirements of the WEEE directive.

After the fluorescent lighting was upgraded, Sudbury Upper School's lighting energy use was reduced by an impressive 50%. The school netted annual electricity savings of 136,000 kWh, which equates to 58.6 tonnes of CO<sub>2</sub>.

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