

Case Study

Alder Hey Children's NHS Foundation Trust

- Customer:** Alder Hey Children's NHS Foundation Trust
- No of units installed:** 9,768
- Electricity Bills:** Reduced by £97,000+ / year
- CO₂ Savings:** 481 tonnes / year



THE SOLUTION

Alder Hey carried out a successful small-scale trial of the Save It Easy converters, which demonstrated that energy savings of 45% were achievable – without disruption. The Trust gave the go ahead for a site-wide Save it Easy installation. In all, 9,768 lamps were converted to low-energy T5 equivalents with no disruption to the everyday workings of the wards. Installation was completed within an impressively-brief three-month period.

RESULTS AND OUTCOME

As a result of installing the Save It Easy units, an annual energy cost saving of £97,348 and an annual CO₂ emissions saving of 481 tonnes have been made. Factoring in annual maintenance costs and Climate Change Levy, payback on the project was achieved in less than two years.

PROJECT OVERVIEW

Alder Hey was able to reduce its annual outlay on electricity by more than £97,000, while also making CO₂ savings of 481 tonnes every year, as a result of a project to replace its old fluorescent lamps with energy-efficient equivalents using the patented retrofit converter device, Save It Easy®.

BACKGROUND

Alder Hey is one of the largest and busiest children's hospitals in Europe, responsible for treating 400,000 sick children a year. The site's buildings are under pressure to perform 24 hours a day, 365 days a year.

THE CHALLENGE

For a busy working hospital, the disruption of ripping out and removing all of the existing light fittings, in order to make way for the new T5 lamps, which crucially differ in size and technical specification from the old lamps, was simply not an option. Instead, a retrofit solution was in order.

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