

## Case Study

# Isambard Brunel Car Park

-  **Customer:** Portsmouth City Council
-  **No of units installed:** 520
-  **Electricity Bills:** Reduced by £17,000+ / year
-  **CO<sub>2</sub> Savings:** 87 tonnes / year

## PROJECT OVERVIEW

**Portsmouth City Council undertook an energy-efficient lighting installation at its Isambard Brunel car park, using innovative retrofit device, 'Save It Easy®' to reduce its lighting energy consumption by a staggering 49%.**



## THE SOLUTION

Using Save It Easy, the Council was able to avoid replacing its existing light fittings as it upgraded 520 lamps over the various levels of the multi-storey car park.

By taking advantage of a retrofit solution, the Council was able to minimise the project's waste, since it did not need to completely replace the light fittings. This was in line with the Council's sustainable goals to both reduce energy use and cut down on waste.

## BACKGROUND

A massive 61% of Portsmouth City Council's carbon footprint comes as a result of running its buildings. So, when the Council set about slashing its energy use, Isambard Brunel car park, with its high energy demand, was a prime target.

## THE CHALLENGE

The car park is open 24 hours a day, seven days a week, and therefore requires lighting around the clock. When looking to change its fluorescent lamps to energy-efficient equivalents, the Council wanted a solution that wouldn't compromise its sustainable values.

## RESULTS AND OUTCOME

The higher efficiency of the new energy-efficient T5 lamps at the car park, plus the more efficient control gear in the Save It Easy units, means that the site reduced its energy use in lighting by 49%, making annual savings of £17,573 on its electricity bills. The car park also successfully cut its carbon footprint by 45%, saving 87 tonnes of carbon each year.

## CLIENT TESTIMONIAL

" Portsmouth City Council has committed to reducing its carbon emissions by 30% by 2014. This energy-efficient lighting at Isambard Brunel car park is just one example of how we are trying to minimise our environmental impacts in the city. What's more, we are pleased to report that the project has also cut our electricity bills significantly. We expect to achieve project payback in just eleven months."

**Michael Robinson**

Deputy Parking Manager at Portsmouth City Council

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