

Case Study

Barnstaple Police Station

- Customer:** Devon and Cornwall Constabulary
- No of units installed:** 560
- Electricity Bills:** Reduced by £5,800+ / year
- CO₂ Savings:** 25 tonnes / year

PROJECT OVERVIEW

As part of a Constabulary-wide drive to increase energy efficiency, Barnstaple Police Station undertook a successful energy-efficient lighting installation using innovative retrofit device, Save It Easy®.



BACKGROUND

Devon and Cornwall Constabulary surveyed the energy efficiency of their buildings estate in both counties and identified lighting as a key area where savings could be made. Four police stations, including Barnstaple, were selected to form the first stage of an ongoing drive to save energy and cut carbon.

THE CHALLENGE

The fluorescent lighting at Barnstaple Police Station included lamps that ranged in size from 2ft to 4ft, 5ft, 6ft and 8ft. They were also a mix of Switchstart and Starterless lamps. There were fears that this wide variety of lamp types might complicate matters when it came to upgrade to energy-efficient T5 lighting.

THE SOLUTION

Due to the flexibility of the Save It Easy units, the constabulary was able to facilitate an overhaul of all the lighting, regardless of size and type. Force Electrical and Mechanical Engineer Bob Battershill oversaw replacement of 560 fluorescent lamps with new low-energy equivalents, using plug-in converter, Save It Easy.

RESULTS AND OUTCOME

As a result of the lighting upgrade, Barnstaple Police Station netted annual savings of £5,820, which equates to 25 tonnes of carbon. What's more, the project paid for itself in just 23 months.

The Barnstaple project was so successful that Save It Easy installations were also rolled out to the police stations at Bideford, Camborne and Ilfracombe, upgrading a total of 1,362 fluorescent lamps.

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