

Case Study

The Castle Hotel Taunton, Somerset

Set in the heart of Somerset, The Castle Hotel in Taunton is a Grade II listed building steeped in history. With 44 bedrooms, two restaurants and facilities for weddings, parties and conferences, the hotel has been offering high standards of service to guests for over 60 years.

The Castle Hotel has a robust environmental policy covering hotel supplies through to energy management. To help meet these commitments, **iESCO** was appointed to investigate the feasibility of installing **powerPerfector** technology on the premises.

With the installation of a 175kVA **powerPerfector** unit, energy savings were estimated at 8%, reducing the total electricity consumption in addition to improving power factor and extending the lifespan of hotel equipment.

As site voltages reached as high as 245V, **powerPerfector** technology was able to significantly reduce the hotels running costs and carbon footprint. This substantial reduction resulted in savings that exceeded the estimations

provided by **iESCO** and Carbon Trust, with a 10% energy saving and more than £1,000 annual savings on top of the original figures. This difference had a positive effect on the payback time, reducing it to generate a surplus of savings during the loan repayment period.

iESCO's robust approach to engineering has been honed throughout the 5,600+ UK installations to date. The project was completed in an efficient and professional manner with supervision from **iESCO's** experienced project managers to ensure that hotel operations were not affected.

"I was extremely impressed with the professionalism and diligence of the whole team at **iESCO**, from the initial site evaluation through to the delivery and then final connection of the **powerPerfector** unit. The team worked tirelessly to minimise the disruption to the business and we are already seeing savings over and above the estimate that **iESCO** promised, therefore I would recommend this technology to anyone."

The Castle at taunton



Location

The Castle Hotel is located in Taunton Castle, a Grade II listed reconstruction of a 12th-century Norman Fortress. This four star historic hotel has over 40 bedrooms rooms, two signature restaurants and a number of halls available for events. Within easy reach of the town centre, this accessible country hotel caters to weddings, parties and conferences.

For more information on any of our case studies, please contact:
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Information

Unit:	powerPerfector
Unit size:	175kVA
Install date:	17-04-2016
Energy saving:	10%
Annual cost saving (£):	4,939
kWh saving:	51,676