

CASE STUDY

Kenwood Hall Hotel

THE CLIENT

Kenwood Hall, a luxury 4 star hotel with 114 bedrooms, is just one mile from Sheffield city centre and easily accessible from the M1. The hotel combines a convenient location and idyllic country setting with its 12 acres of beautiful parkland providing a perfect backdrop for short breaks and a range of events and celebrations.

The hotel can cater for up to 250 delegates in its flexible conference rooms and has plenty of outdoor space for team building events.

THE CHALLENGE

The hotel recognises that its operations impact on the environment and are committed to continually improving working practices and implementing energy management technologies. One condition of any sustainable initiative is that it must reduce carbon footprint without negatively impacting on guest experience or comfort.

The Powerstar team were invited to conduct a site survey to analyse and present the guaranteed savings that the hotel would achieve from the installation of a Powerstar voltage optimisation system

THE SOLUTION

After a site evaluation and load analysis, it was identified that Powerstar could effectively optimise the incoming voltage to match the electrical profile of the site, resulting in quantifiable savings.

Due to its unique design Powerstar also provides total phase balancing and also filters harmonics from the supply.

The Powerstar system was installed with no disruption to the hotel operations and is providing savings 24/7 with no negative impact on guest experience.

KEY FIGURES

- Annual consumption savings: **5.87%**
- Annual financial savings: **£3,621 pa**



KENWOOD HALL, SHEFFIELD: located close to Sheffield City Centre



SIGNIFICANT SAVINGS: Powerstar are saving the hotel 5.87% on their annual electricity consumption

www.powerstar.com



CASE STUDY

Principal Hayley Hotel Group

Savings across the Principal Hayley portfolio

PH Hotels is a collection of landmark city centre hotels and dedicated conference and training venues across the UK.

With 23 hotels in the PH Group they have approximately 4,000 bedrooms, over 500 meeting rooms and the ability to host over 26,000 delegates per day.

CUSTOMER QUOTATION

"We worked closely with Powerstar to identify the best options for energy saving within our portfolio. We are extremely happy with savings on all of the installations and the service received."



Andy Barrett, Principal Hayley

KEY FIGURES



 **Average annual consumption savings across all sites: 10.93%**

 **Average annual financial savings across all sites: £18,167**



ROYAL YORK HOTEL - YORK

-  Electrical consumption savings: **8.89%**
-  Annual energy spend reduction: **£16,522**



BEAUMONT ESTATE HOTEL - WINDSOR

-  Electrical consumption savings: **9.5%**
-  Annual energy spend reduction: **£26,712**



THE METROPOLITAN HOTEL - LEEDS

-  Electrical consumption savings: **21.57%**
-  Annual energy spend reduction: **£15,568**



MANCHESTER PALACE HOTEL - MANCHESTER

-  Electrical consumption savings: **18.5%**
-  Annual energy spend reduction: **£30,126**



ST JOHNS HOTEL - BIRMINGHAM

-  Electrical consumption savings: **11.85%**
-  Annual energy spend reduction: **£19,528**



HOTEL RUSSELL - LONDON

-  Electrical consumption savings: **8.62%**
-  Annual energy spend reduction: **£29,736**



ST DAVID'S HOTEL & SPA - CARDIFF

-  Electrical consumption savings: **5.45%**
-  Annual energy spend reduction: **£7,592**

KENWOOD HALL HOTEL - SHEFFIELD

-  Electrical consumption savings: **5.87%**
-  Annual energy spend reduction: **£3,621**

SELSDON PARK HOTEL & GOLF CLUB – GREATER LONDON

-  Electrical consumption savings: **8.13%**
-  Annual energy spend reduction: **£14,102**