

# CASE STUDY

## Metropolitan Hotel Leeds

### THE CLIENT

The Metropolitan Hotel in Leeds is part of the Principal Hayley collection of individual hotels across the UK and Europe. The hotel is close to all major transport links including M62, M621, M1 & Leeds Bradford International Airport and just minutes walk from Leeds train station.

The luxury 4\* hotel boasts 120 bedrooms and can cater for business events, weddings and celebrations. The hotel has 18 event rooms that can hold up to 250 delegates.

### 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.

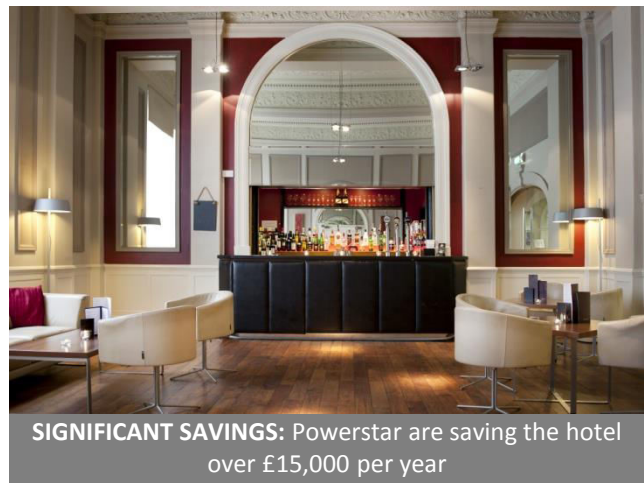
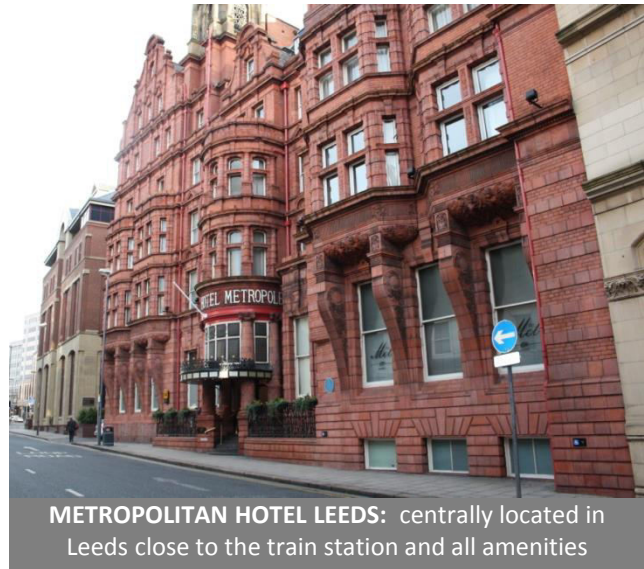
Due to its unique design Powerstar also provides total phase balancing and also filters harmonics from the supply.

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.

[www.powerstar.com](http://www.powerstar.com)

### KEY FIGURES

- Annual consumption savings: **21.57%**
- Annual financial savings: **£15,568pa**



# 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**