



CASE STUDY

Novotel, London, UK

As well as the 182 bedrooms, the 4-star Novotel London City South hotel features a variety of meeting and conference rooms in addition to a wedding function suite accommodating up to 100 people.

To ensure a high standard of service to their clients, the environment and in view of reducing costs, the hotel made a commitment to reduce their energy consumption. Therefore, in January 2015 powerPerfector installed a 440kVA / 630Amp unit with a 9% optimisation setting at Novotel London City South. Since this original installation powerPerfector technologies have evolved with the introduction of the most advanced electronic voltage control technology available named the 'powerPerfector iQ' which is the fastest, most accurate and precise control technology on the market. It is designed to increase savings, improve site security, reduce maintenance, extend equipment life and reduce capital replacement costs. Therefore, opting to increase their energy consumption in line with the Planet 21 commitment, Novotel London City South decided to upgrade their unit.

In 2017, the powerPerfector unit at the Novotel was upgraded with an iQ and recent studies show a saving 9% of its electrical usage and perhaps more at times of higher load. This reduction equates to approximately 62,857 tonnes of CO₂ emissions, 116,058kWh of energy and £12,715 of annual financial savings. The iQ upgrade has afforded the site greater functionality, an improvement of savings by up to 30%, and protection against harmful voltage dips, sags, intervals and swells. The hotel's overall efficiency has been maximised through the correction of any voltage imbalances, a highly stable voltage supply and a precise output voltage control.

"Having made a commitment to reduce our energy consumption, the decision to install a powerPerfector was a good one and the iQ was an important upgrade for us to continue our promise of providing a service that our business, our clients and the environment would benefit from."

Maintenance Manager
Novotel Hotels & Resorts

INFORMATION

Unit: **powerPerfector iQ**
Unit size: **440 kVA**
Install date: **Upgraded May 2017**
Annual kWh saving (kWh): **116,058**
Annual cost saving (£): **12,715**



Voltage profile analysis

