

Hilton London Gatwick achieve immediate 27% energy savings and ongoing maintenance benefits with the MeasureMyEnergy solution

THE BACKGROUND

MeasureMyEnergy and The Green Consultancy Inc Limited (GCI) have worked together in partnership for many years with a number of successful projects. GCI are a consultancy company helping businesses to reduce their energy expenditure and consumption.

They recommended MeasureMyEnergy to Hilton London Gatwick for their energy monitoring project.

Hilton London Gatwick is linked by a direct covered walkway to the South Terminal and offers air-conditioned, soundproofed rooms and an on-site gym. The Hilton features a 24-hour fitness centre, 2 bars and a Costa Coffee shop. The Garden Restaurant serves breakfast and an evening buffet, whilst Amy's Restaurant offers intimate modern dining.

PROJECT AIMS

Hilton London Gatwick approached energy consultancy GCI Ltd to assist them in reducing the energy consumption at their hotel. This initial project would focus on the hotel's main plant facilities – air handling (cooling & heating) for the hotel's various common areas.

Before any of this work could be considered, there was a need to fully understand exactly how the energy was currently being used, and if any waste could be eradicated.

GCI Ltd created a tailored solution, including the MeasureMyEnergy Global Energy Management (GEM) service. Hilton London Gatwick approached MeasureMyEnergy to assist them in reducing energy consumption at their hotel.

"Using the MeasureMyEnergy system has identified areas where our BMS wasn't working as it should and highlighted plant equipment that was beginning to fail. I believe it to be a great asset to reducing energy and would thoroughly endorse its use in any commercial property"
- Elliott Porter, Chief Engineer



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THE SOLUTION

Hampshire based MeasureMyEnergy supplied five Power Distribution Monitors (PDM's) to monitor 54 individual circuits that supply electrical power to the various extractor fans, boiler controls and water pumps that are supplied by the main plant room, as well as the building's two main chillers.

The PDM's collect this data and send it, in real-time, to the online cloud platform where energy use is displayed in pounds and pence.

Here, the information is grouped, allowing the Facilities Team to quickly and easily identify patterns or concerns with the electrical power consumption of individual items, such as a hot water pump, or areas such as the kitchen.

THE OUTCOME

Within a short period of the product being installed, the MeasureMyEnergy solution had helped to reduce the Hilton's energy consumption by 27%.

They continue to use the system to not only monitor the hotels energy consumption but also as a proactive maintenance tool; the system identifies equipment anomalies and alerts the designated user/team to a potential fault ahead of it becoming a major problem - this also means that routine maintenance checks are quicker and staff time used more efficiently.

The hotel staff are also more energy aware and an increase in positive behaviour has helped to maintain the energy savings.

"Using MeasureMyEnergy has not only helped to prove the savings we were aiming to achieve, but has highlighted other areas of potential savings"

At a Glance

Industry - Hotel

Savings Achieved - 27%

Benefits - Proactive Maintenance / Energy Reduction

