

# CASE STUDY



## St. George Hotel Golf & Beach Resort Paphos, Cyprus

### INTRODUCTION

The recently renovated St. George Hotel has an exclusive modern design and offers luxury accommodation and services.

The 4 star St. George Hotel & Spa Resort is located directly on the beach of Chlorakas village, in Paphos. The hotel has 255 rooms, an impressive modern two level lounge, cocktail bar, pool bar, night club, beach bar, restaurant, tennis courts, spa and swimming pool.

### THE CHALLENGE

The St. George Hotel & Spa Resort management team is constantly seeking ways to reduce its impact on the environment. Management were looking to incorporate Powerstar into part of an overall sustainability programme which included other technologies and behavioral change management to reduce overall energy consumption levels.

### THE SOLUTION

After conducting a site survey at the hotel premises, the Powerstar team recorded the incoming voltage and the equipment of the hotel and provided a techno-economical proposal with guaranteed savings.

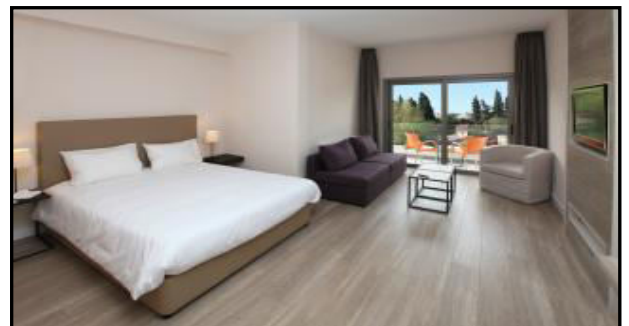
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### KEY FIGURES

- Consumption savings: **200,690kWh**
- Tonnes of CO<sub>2</sub> saved: **108.6**
- Payback period: **1.4 years**



St George Hotel, Cyprus



The hotel is saving over €40,000 per year



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### BENEFITS AND SAVINGS

After the installation of a Powerstar 1150kVA system a standard verification process followed to verify the saving results. St. George Hotel will annually reduce the electricity consumption by 200,690kWh and the CO<sub>2</sub> emissions by 108.6 tonnes.

Annual kWh not used:	200,690kWh
Annual cost saving :	£29,467
Tonnes of carbon dioxide saved*:	108.6 tCO <sub>2</sub>
Payback period :	1.4 years
IRR:	71.6.4%

\*based on 2014DECC factor 0.54kg/kWh

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