

## **Case Study: Hotel 1**

### **Energy Reduction Campaign**

#### Challenge

Hotel 1 is a combination of a Grade 2 listed stone building integrated with modern extensions. The hotel has over 95 bedrooms, 10 function rooms, several dining options and a swimming pool with spa. The premises are maintained to a good standard however the lighting/heating equipment is old and inefficient. The focus was to reduce the client's energy costs and carbon footprint. Due to the type of business the hotel requires a constant heat and hot water demand and therefore couldn't be without for any time scale.

#### Solution

Red1 Group Ltd collated site specific information regarding current energy consumption, usage, current equipment and running hours. With this information we were able to produce a proposal for the client outlining the offering and most importantly the savings.

The current boilers ranged from 7 – 10 yrs old and efficiencies ranging from 65 – 85% when new.

The current lights on site were mostly standard filament or halogen fittings.

The hotel currently uses 210,000 kW of electricity on lighting and 1,170,000 kW of Gas.

Red1 Group would install new boilers and LED lighting throughout the premises at no cost to the client.

#### Results

Red1 Group installed the new boilers and LED lighting with the following results.

Gas consumption reduced by approximately 16%

Electricity lighting consumption reduced by approximately 87%

The client will save over £253,000 in a 5 year period.

All equipment was installed without any downtime to the hotel

All of this was achieved with no cost to the client utilising Red1 Groups scheme.

If the client was to pay for the reduction scheme the total cost would be in excess of £115,000.

To find out how Red1 Group could cut your energy costs and reduce your carbon emissions please contact us.

\*The client's details have been omitted to avoid unsolicited sales calls