



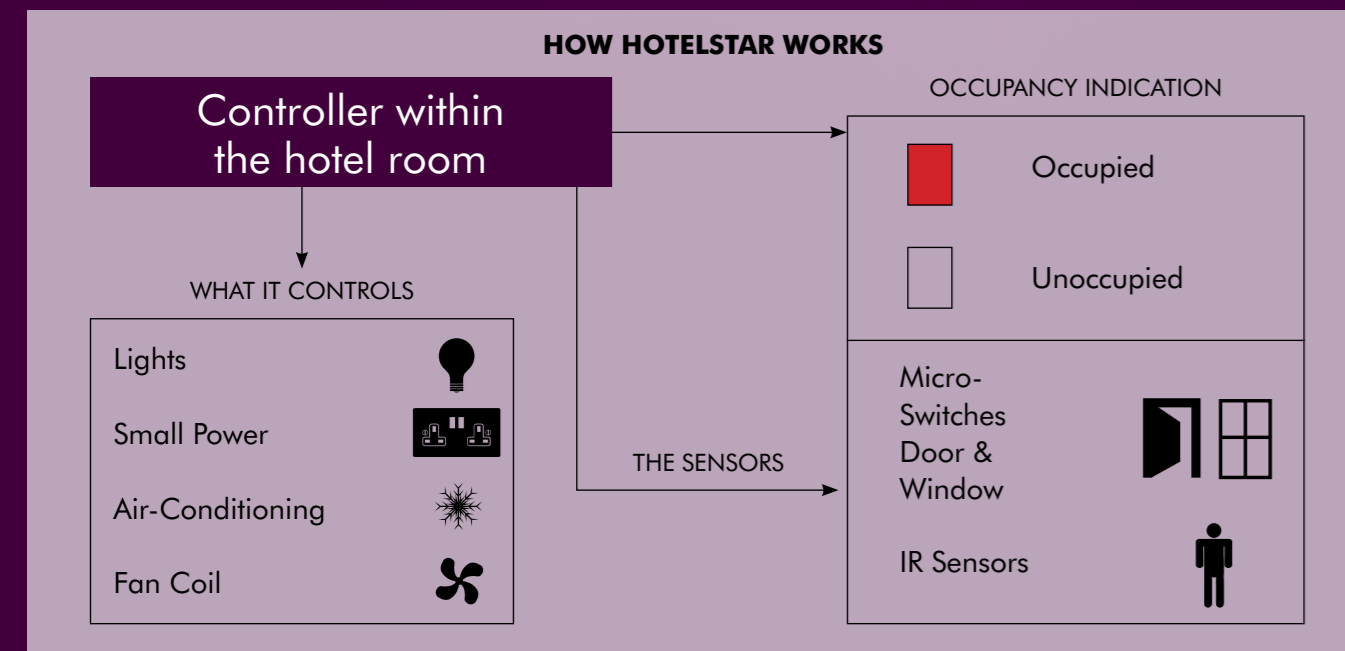
SIGNIFICANTLY REDUCING ELECTRICITY COSTS

After labour, energy is the second largest operating expense hoteliers incur.

Depending on the common area facilities in a hotel, guest room energy consumption typically accounts for 40% to 80% of total energy cost.

Due to the commitment of hotels to reduce their carbon footprint, utilising efficient and cost effective solutions to reduce their impact on the environment is important.

There are many initiatives which can be taken to reduce electrical consumption by isolating systems within the room that consume energy. These do not afford the level of savings or sophistication offered through Hotelstar, or allow guests full control of the facilities in the room whilst they are present.



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hotelstar
Guest in, power on. Guest out, power off.



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REDUCE ENERGY WASTAGE
IN HOTEL ROOMS
BY UP TO 65%.

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Guest in, power on. Guest out, power off.

THE SOPHISTICATED SOLUTION FOR
REDUCING ELECTRICITY CONSUMPTION.



SAVING UP TO 65% OF YOUR TOTAL GUEST ROOM ELECTRICITY CONSUMPTION.

OVER 10,000 GUEST ROOMS ARE CONTROLLED BY HOTELSTAR.



ABOUT HOTELSTAR

Hotelstar provides substantial energy savings by means of intelligent control. Sensors monitor the guest rooms discreetly and switch power accordingly to avoid waste of energy, such as lights, heating, air-conditioning and small power sources being left on when there are no occupants in the room.

Whilst rooms are occupied guests have complete control of all the facilities on offer. From the moment a guest leaves the room the Hotelstar system takes control and overrides any settings by the guest to settings specified by the hotel (agreed on commission of the Hotelstar system). When the guest returns to the room the Hotelstar system immediately returns the power, switching the settings back to those set by the guest. The guest is not aware of any changes in the room conditions whilst they were out.

The Hotelstar uses sophisticated software to ensure that at no time settings are changed whilst guests are within the room. Comfort is never compromised, carrying out in excess of 35 checks to ensure no other guests are within the room. The Hotelstar system is installed in a discreet location to ensure the system is not visible to guests.

THE BENEFITS OF HOTELSTAR

The Hotelstar system will achieve **savings of up to 65%** on a room's total energy consumption, which could correspond to 15%-30% of the total electricity consumption in the hotel. Typical payback is **between 12 to 15 months** in electricity bill savings alone.

Other benefits include:-

- Reduction in maintenance costs of all equipment
- Controls all appliances in a room (including lighting, air conditioning, TV & Radio and small power sources)
- Can provide occupancy information for house staff
- Invisible to guests
- Designed, engineered and built in the UK
- 12 months warranty
- Reliable, fail-safe, intelligent logic to ensure no loss of power to guest rooms
- Integrates with other building functions such as auxiliary lighting and combined heat power units
- Simple installation
- Designed for new build and retrofit application

WHERE HOTELSTAR WORKS BEST

Most hotels use energy efficient lights and may have key-card systems to isolate these lights.

Lighting in guest rooms only represents a small part of the overall energy consumption if the guest room has HVAC/AHU/air-conditioning systems. Hotelstar controls all consumption loads, including lights, air conditioning, small power and heating.

COMPANY PROFILE

- At the forefront of technological advances in energy management
- Engineering company formed in 2001
- More than 150 years combined experience in design and manufacturing
- Exports overseas to 15 countries including Australia, South Africa and United Arab Emirates. This is supported by our offices in the UK and Cyprus
- All technologies designed, engineered and manufactured in the UK



Dr Alex Mardapittas
BEng, PhD, CEng, MIET, MEI
Managing Director.

Alex studied at King's College London and then at Brunel University. On completing his research fellowship for

Manufacturing Metrology in 1993, he went on to work in professional computer software training and development. As an experienced Chartered Engineer, with a research doctorate, he possesses an extensive knowledge of software programming and innovative engineering design, which has allowed him to provide award-winning solutions to the marketplace.

CUSTOMER TESTIMONIAL

"The hotel has always aimed to provide the best possible service to its guests whilst at the same time reducing the damage to the environment. The installation of Hotelstar has reduced the emissions to the environment by 380 tonnes of CO₂ and at the same time is saving us 15% of our total electricity bill. We are going to install Hotelstar to the remaining rooms within our hotel. We have had excellent service and support, we highly recommend the Hotelstar system."

Alexios Chrysaphinis
Sunrise Beach Hotel



HOTELSTAR INSTALLATION

The Hotelstar system uses sophisticated Infra Red (IR) sensors and Magnetic Door switches (MD).

The magnetic door switch is used to initiate the system when the door opens while the IR sensor ensures that the room facilities remain available to the guests when in the room.

Regardless as to where the guest is (sleeping, reading in bed, in the bathroom) the Hotelstar is aware the guest is in the room.

Every time the guest room door opens, the system re-evaluates its parameters to ensure that under no circumstances will the power be interrupted while the guests are in.

The diagram (right) shows how the Hotelstar system is installed.

QUOTATION AND PRICING

Costs for the supply and installation of a Hotelstar system depend on the current wiring and control equipment of the rooms. Therefore it is appropriate to visit a company prior to a quotation being supplied.

Please call 01709 836 200 or email hotelstar@ems-uk.org to arrange a free, no obligation consultation.

