

Field trial at a leading UK national hotel chain – initial test results

Key findings for Feb 1-28th 2016, Bedford.

- Existing Creda convection heaters use on average **25%** more energy
- Average 0.8kw per room per day saving = 190kwh per room per annum = **£26** per room per annum saving*
- Average 3.3kwh per day per room usage for Herschel
- Estimated annual saving of **£1.2m** per annum across entire estate**
- Very positive feedback from hotel guests, mostly around stable temperatures and zero noise (Creda heaters “click” when on)
- Potential for further 15% energy savings by ceiling mounting Herschel heaters. Would also free up wall space.

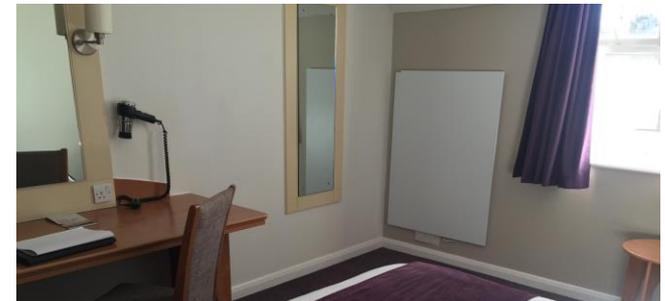
Details

- Trial started 1 Feb 2016 in 24 bedrooms covering one wing of the hotel. 12 rooms were installed with Herschel Select XL 1000w heaters, replacing 1.5kw Creda convector heaters.
- Each room has a data logger feeding back real time electricity consumption. 12 existing rooms with Creda heaters also each have data loggers.
- Data is collected by data centre via remote link.
- All rooms are controlled by hard wired Honeywell thermostats with temperature override by guests.
- Rooms 25m2. Hotel constructed c. early 1990’s. Double glazed, cavity walls.
- Herschel and Creda rooms are in blocks of 6, over 2 floors on alternate sides to account for north/south facing elevations and upper / lower floors.

* Based on 34 weeks heating season (per Energy Saving Trust).

** Hotel chain has 44,000 UK rooms with electric convection heating

Herschel Select XL1000w



Creda 1500w convector

