

## Ecological Hotel

### Renovation of the Mercure Etoile: Creation of an "environmental" room



#### Presentation

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The Mercure Etoile has been renovated using an environmental approach. The hotel has 56 rooms, and no restaurant. The approach was based on 14 HQE (High Environmental Quality) targets. The renovation focused primarily on the rooms and general services.

The renovated Mercure Etoile opened its doors to the public in 2004.

#### Implementation & Results

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##### The Rooms

###### Energy:

- Room lighting provided by LEDs (Light Emitting Diodes).

###### Water:

- Use of flow regulators for taps.
- Installation of Eco one-touch water-saving toilets (3 litres).

###### Waste:

- Installation of soap dispensers, alongside taps and in showers.

###### Products:

- Floors covered with Graphia parquet from Paraguay for CO<sub>2</sub> storage in the wood, and walls painted with eco-labelled paint (NF Environnement certification).
- 3 mm thickness instead of the usual 8 - 10 mm for ceramic tiling in bathrooms.

###### Beds:

- Bed frames made from FSC-certified wood.
- Bed-skirts (Interface company) manufactured from 100% recycled fibres and coloured using metal-free dyes.
- Eco-labelled sheets (NF Environnement).
- Duvets and pillows filled with anti-allergy treated duck down and feathers.
- Components easily separated for recycling at the end of their useful life.



##### General services:

**Energy:** Lighting is provided by LEDs. The lighting power consumption has been reduced from 2 kW to 1kW.

##### Operation

**Waste:** Sorting of glass, magazines/newspapers, boxes, batteries, compact fluorescent bulbs.

**Products:** Use of cleaning products carrying the European eco-label

**Fair trade:** Free-trade tea, chocolate and coffee are served at breakfast and free of charge in rooms.



#### Financial Aspects

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- The decrease in energy consumption in rooms is estimated at 50% (from 2.5 kWh to 1.3 kWh per room per day). The rooms account for 20% of the total energy consumption of the hotel.
- The reduction in the energy consumption of general services (lighting, computers, kitchen appliances) is estimated at 30%. The general services account for approximately 30% of the total energy consumption.
- The new rooms use lower quantities of construction and furnishing materials than the previous rooms. The reduction is estimated at 50%. This evolution has been highlighted by ADEME (Agency for the environment and energy management) as a striking improvement.

#### Outlook

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The "environmental" renovation of the Mercure Arc de Triomphe – Etoile has allowed us to identify environmental innovations which are likely to be incorporated into future standards for renovation within the Accor Group.