Zennio®

Zennio Hospitality Solution – Energy reduction impact

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Zennio Hotel Solution

Presence Monitoring

Eco-friendly minds

Eco indicator

Building Management System

Guest Experience

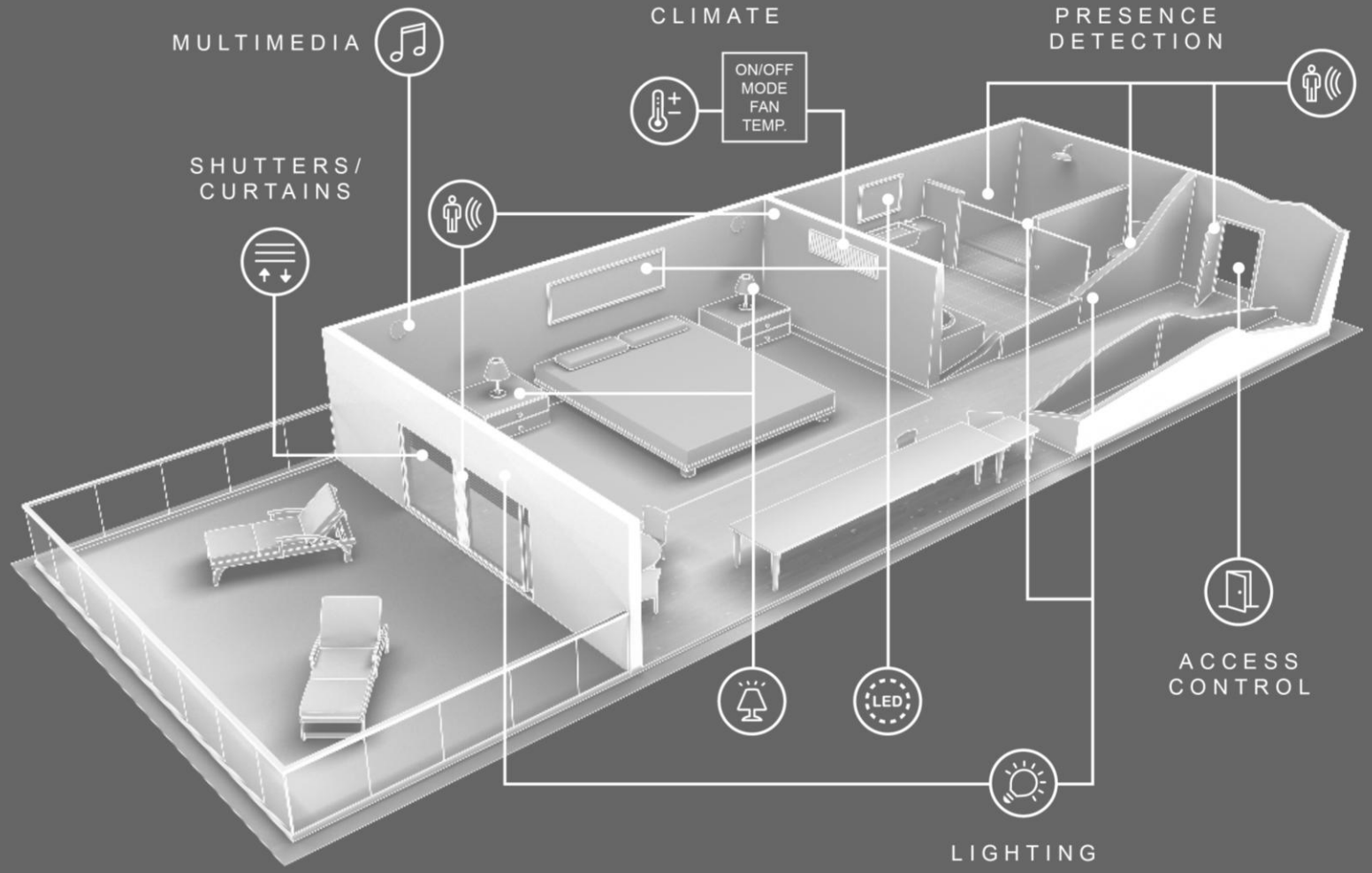
Zennio

Zennio Hotel Solution

Everything under control

Guest Room Control

- Lighting (on/off, dimmer, RGBW, colour temperature)
- Presence detection
- HVAC
- Audio
- Shutter & curtains
- Humidity control
- Access control
- Guest Room Management System (GRMS)



Presence monitoring

The key for energy management

Occupied room

- Welcome scene
- Comfort temperature

Empty room

- Standby temperature
- Lights & sockets off

Smart Hotels, Happy Guests

Eco-Friendly minds

Energy-conscious guests

It is important to raise awareness among guests about their energy consumption in the hotel. To achieve this, we use several techniques

- Real-time visualization of consumption and carbon footprint
- Incetive system for eco-friendly stays
- Controls that set an eco-friednly temperatura in the room

Climate
23.8°C
23 °C
ECO
Heat/Cool Mode

Eco Indicator

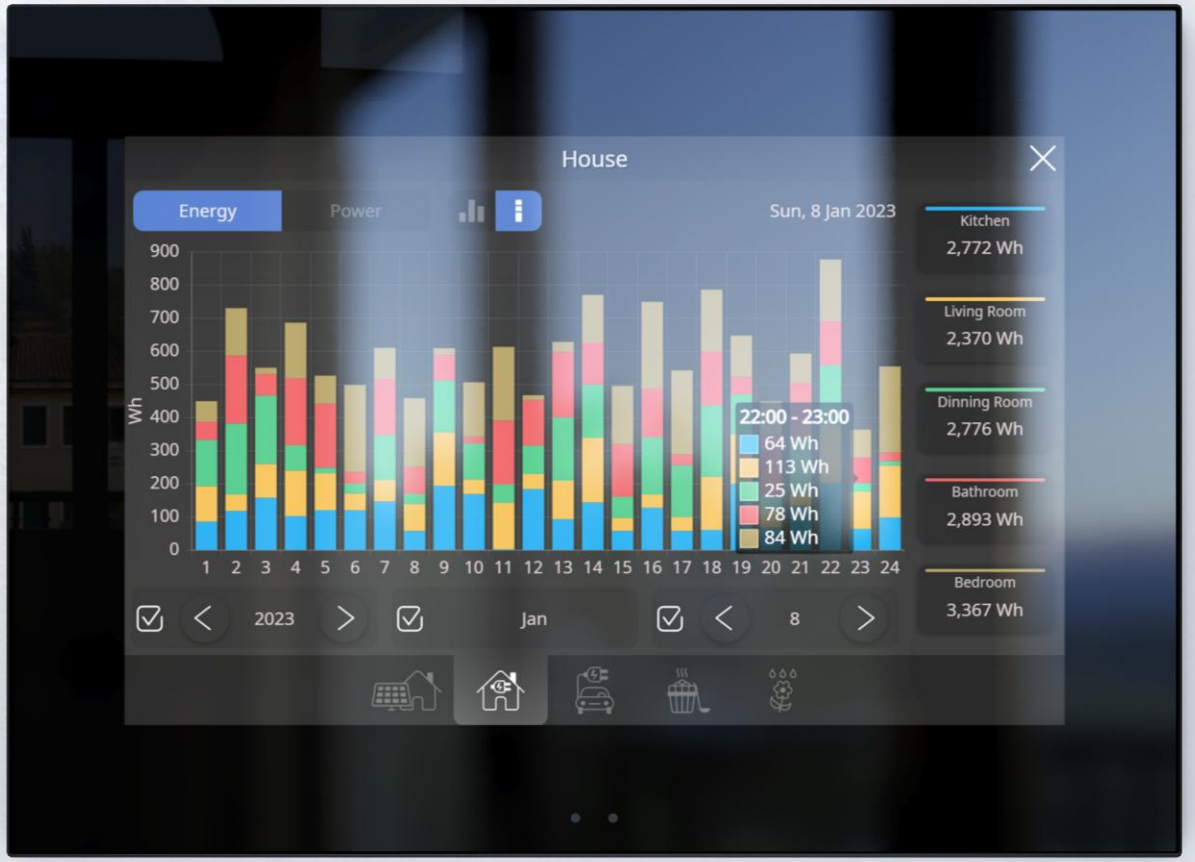
Energy-conscious guests

- How to raise awareness among guests that their stay at our hotel has an energy impact on the environment

Energy Monitoring

The most poweful panels, the most powerful control

- Powerful energy monitoring visualization from anywhere



Building Management System

Monitoring & Decision Making

- Comparative consumption in rooms with similar characteristics that help decision-making: Do I need to change the lighting system, the climate control, or improve insulation?
- Guest consumption monitoring
- Alarm and overconsumption alert system

nergy Monitoring System at Iberostar Royal Andalus ****

Building Management System

Monitoring & Decision Making

- Visualization of the real state of the rooms
- Remote adjustment of room parameters
- Logs of data and historical reports
- Automatic alerts in case of room incidents
- Common areas control & monitoring
- Timers

Zennio's Contribution to Sustainability

- Energy Costs per room per night
  - IDAE . 2001: 6,150 KWh per room per year
  - Hospitality Technology Institute. 2013: 4€ per room per night
  - Everi USA: 4,000 USD per room per year in energy consumption
  - openAI, data from 2022:
    - Europe. Consumption per night per room up to 40 kWh. Around 2,700 €
    - US. Consumption per night per room up to 50 kWh. Around 3,500 €

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Zennio's Contribution to Sustainability

- Energy consumption in the room. Breakdown
  - HVAC: 50% – 70 %
  - Lighting: 10% – 20%
  - Others (appliances, electronics and water heating) – 10% – 30%

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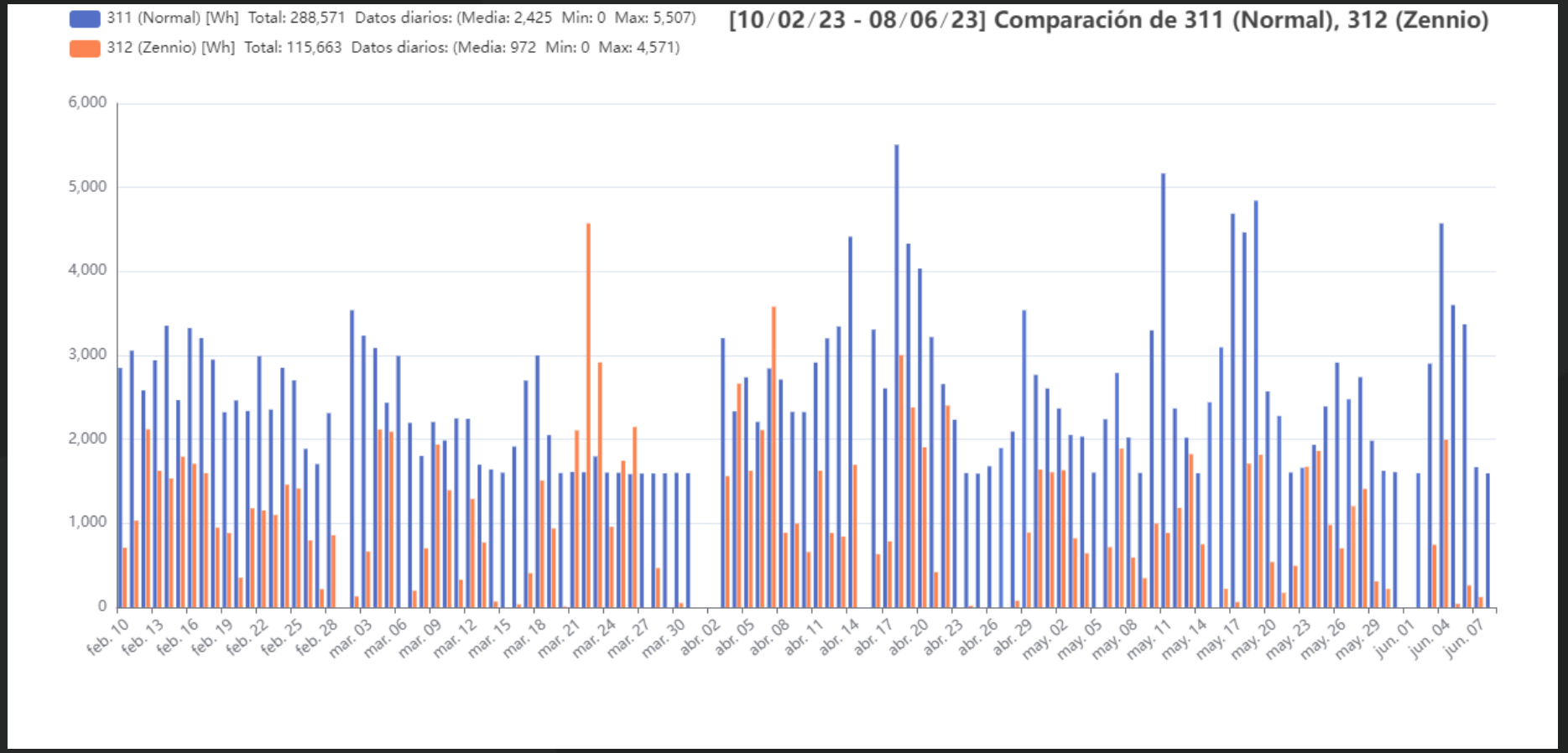
Zennio's Contribution to Sustainability



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Zennio's Contribution to Sustainability

- Our own data
  - Live, real-time data for 8 months
  - Identical rooms, over 80% of occupation both
  - Room with Zennio system saves 60 % of the energy consumed in a room

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Zennio's Contribution to Sustainability

- Range of savings
  - Between 1,500 € and 2,000 € per room per year.
- Carbon foot print reduction equivalent to 100,000 people.

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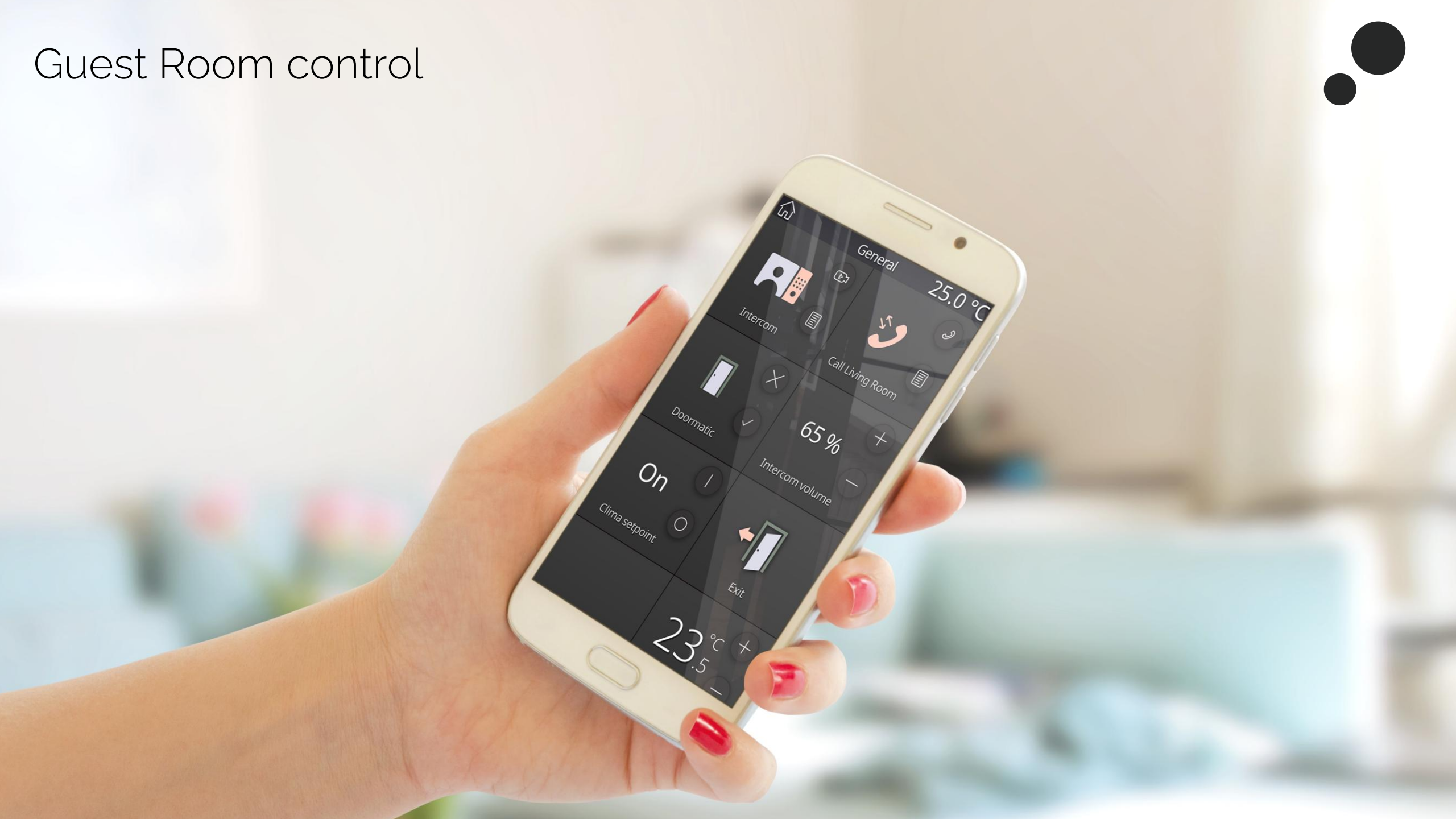
Guest Experience

Smart Hotels, Happy Guests

- Control Room from anywhere:
  - Hotel App
  - IPTV
- Integration with third-party-Apps
- Room occupancy can limit the room control through App

Six Senses Ibiza (Spain) - Room Control App

Guest Room control



Guest Experience

Smart Hotels, Happy Guests

- Master Light: No more guests lost in the room trying to turn lights OFF before sleeping!

- DND & MUR signals in an elegant way

Guest Experience

21-st century thermostats! – Say goodbye to the dial thermostat

- Colour capacitive touch switches
- Ultra intuitive
- Stylish

Guest Experience

21-st century thermostats! – Say goodbye to the dial thermostat

Z28

Z35

Z40

Zennio

Guest Experience

User interfaces – Stylish & Intuitive

Guest Experience

Design

Zennio Quality

90,000 Automated Rooms worldwide

Trust proven by the industry's best

Zennio

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