



SMARTLODGING4GUEST



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CTIC

Maximization and personalization of guest comfort in hotel accommodations by the use of smart and automated management systems through Big Data Analytics and IoT

OBJETIVE:

To maximize the comfort, quality and security of guests in hotel accommodations, ensuring their sustainability and energy efficiency

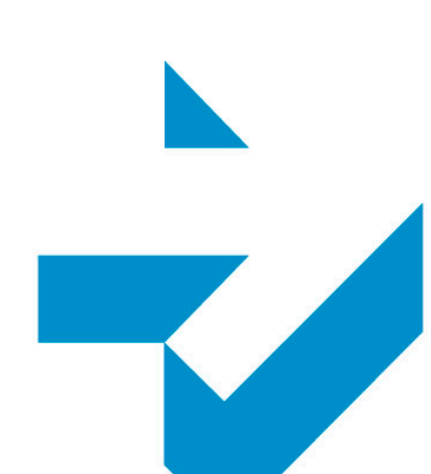
How?

By analyzing different variables that affect guest comfort, a smart and automated space is created which is able to adapt to each guest preferences



Project development

- ▶ Design of a real-time acquisition and monitoring system and development of Kansei surveys in order to set up behavior patterns to allow hotels to anticipate their customer needs and to provide them with a completely personalized service
- ▶ Design of a smart data analysis module by using Artificial Intelligence (Neural Networks), Big Data and IoT (Internet of Things) in order to provide a completely innovative service based on Machine Learning
- ▶ Design of a smart dashboard so that the guests as well as the hotel staff and managers can view and control different parameters
- ▶ Design of a voice control module so that the guests can interact with the surroundings
- ▶ Sleep cycle optimization through the analysis and control of different variables



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