Big Data

IoT

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SMARTLODGING4GUEST

ITER Instituto Tecnológico y de Energías Renovables

Magtel

Sieltec Canarias S.L.

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

MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

CDTI
Centro para el Desarrollo Tecnológico Industrial

Unión Europea
Fondo Europeo de Desarrollo Regional
"Una manera de hacer Europa"

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