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# TELEFÓNICA

A telecommunications company based on a comprehensive range of services and on the quality of connectivity provided by the best fixed, mobile and broadband networks. It offers a different experience in line with the company's own values and the protection of customer interests.

**www.iot.telefonica.com/es/**

Telefónica

**Collaborating member of the Smart Destinations Network**

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miembro colaborador
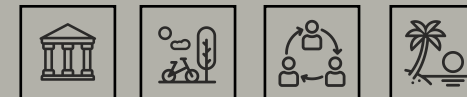Red DTI

# SMART LIGHTING

This solution **improves energy efficiency and generates savings** as it allows lights to be fully controlled. It provides greater efficiency and control, and improved city quality through the adaptation of facilities and the use that is made of them. Moreover, these solutions **reduce CO$_2$ levels** as they reduce light pollution.

This system allows lighting systems to be controlled and monitored**; lights can be turned on and off remotely**, and light levels controlled. This not only **improves energy efficiency; it also optimises maintenance task and facilities management**, monitoring consumption and dealing with possible unjustified irregularities.
The communication technology used is NB-IoT due to the small size of the data packets sent, the high concentration of nodes installed in cities and the **systems' low energy consumption**.

| Scope of smart destination application | Solutions for destinations in the following areas | Type of solution |
|---|---|---|
| **Technology** **Sustainability** | | |