

Smart Lighting

The remote management solution for public lighting that incorporates IoT technologies and connectivity to facilitate the control and maintenance of luminaires.



WHAT IS **SMART LIGHTING**?

Remote management of luminaires, switching on and off, monitoring and control of the lighting system via a control platform is possible thanks to this solution. Combined with **advanced data analytics**, this solution can significantly improve the **quality of life** of the city's inhabitants, offering high quality lighting experiences and exceptional value that goes beyond simple illumination.



THE **KEYS** OF OUR SERVICE TO FACE EVERY CHALLENGE

IMPORTANT!

It offers an **end-to-end** solution, integrating the different technologies.



SIMPLICITY

Easy to install (plug and play).



OPEN

compatible with any luminaire model.



SIM SWAP

Possibility of network operator transfer.



REMOTE MONITORING

Remote monitoring and control.



LIGHTING DATA

Generation of data produced by sensors and application of analytical models to achieve energy efficiency improvements.



NB - IOT COMMUNICATION

Adaptable, e2e integration tested and connectivity certified by TheThinX laboratory.

FIND OUT ABOUT ITS **MAIN FUNCTIONALITIES**

Remote management and remote measurement of lighting.

Switching on, switching off and dimming of the luminaire.

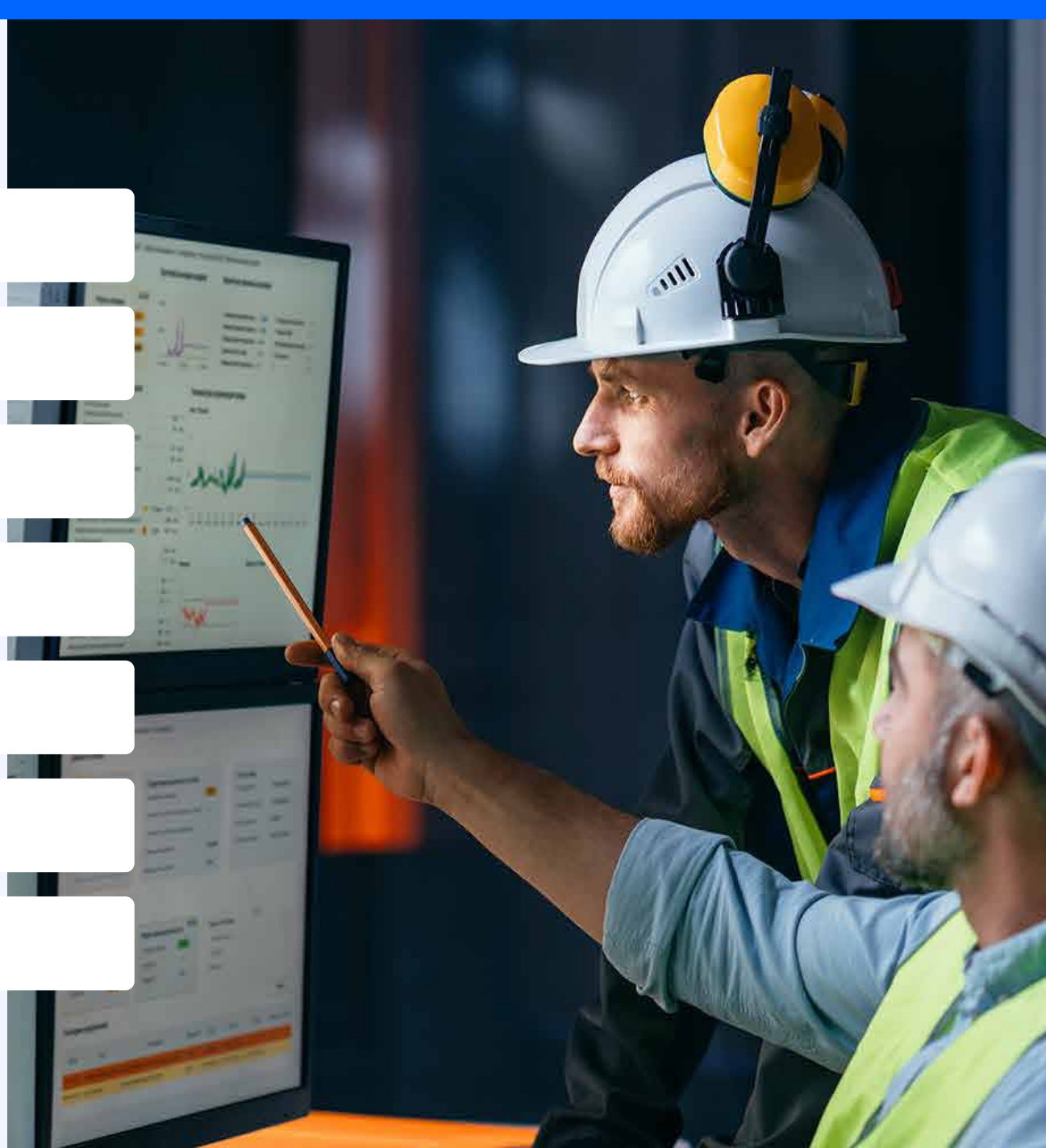
Adjustment of lighting profiles.

Recommendation of lighting profiles **based on mobility data**.

Monitoring of energy consumption.

Fault management and alarming.

Management of **maintenance** tasks.



LEARN ABOUT THE **BENEFITS** OF INCORPORATING OUR SOLUTION

IMPORTANT!

The implementation of technology for remote management of public lighting shows a **45% reduction in energy consumption**.

- Energy savings: by **adjusting the intensity of the lighting** and programming on/off according to needs.
- Greater efficiency in management: faults and technical problems can be **detected quickly**.
- **Adaptability** based on demand.
- **Reduced carbon footprint**: thanks to the energy efficiency provided by remote management.
- Improved security: allows **constant monitoring** of lighting.
- Energy efficiency: using mobility data to recommend intensity levels.

WHY **TELEFÓNICA TECH**?

The implementation of IoT technology for the remote management of public lighting has many advantages. One of them is the reduction of energy consumption by 45%. It is possible to obtain detailed information about the installations and equipment, which allows for efficient planning of operation and maintenance work. This ensures continuous operation of the luminaires with high quality of service, as well as facilitating the scheduling of operations in real time.

In addition, remote management enables remote and accurate detection of incidents in the public lighting network, such as power cuts or system failures. It also makes it possible to identify daily switch-on times and detect if any luminaire is consuming more energy than the established values.

Finally, we offer our customers the end-to-end solution incorporating all the technologies involved in the solution such as IoT, connectivity, and advanced analytics.

