Telefónica Tech digitises public lighting in the municipality of Burriana

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The joint venture formed by Ferrovial Energía and Endesa has chosen Telefónica Tech as its technology partner to carry out its project to digitise public lighting in the municipality of Burriana (Valencia).

Telefónica Tech has implemented its smart lighting solution to enable Ferrovial Energía and Endesa to remotely manage the municipality's LED streetlights individually. The technology company has deployed more than 6,300 nodes designed and manufactured by Tellink and equipped them with NB-IoT connectivity, which allows for mass deployments and coverage in hard-to-reach areas, so that the information collected at each light can be transmitted to a platform for monitoring and remote control.

Telefónica Tech's smart lighting solution will enable the consortium to remotely and efficiently control the functioning, operation and maintenance of the lights. It offers the ability to regulate the light intensity of each light according to the city's needs, avoiding having streetlights on or at maximum intensity in areas with little traffic or, conversely, increasing lighting during events with large crowds.

Likewise, the digitisation of public lighting also facilitates the monitoring of consumption and optimises infrastructure maintenance by having the ability to detect faults or breakdowns remotely and before they occur and affect the service provided to citizens.

The project also has a clear environmental component and generates numerous benefits in terms of citizens' quality of life. The adaptability of the lighting at any given time contributes to increased safety and sustainability in the municipality, reducing light pollution, energy consumption and, consequently, the carbon footprint.

The Ferrovial Energía-Endesa joint venture states that

> making streetlights smart not only helps to improve energy efficiency, but also optimises maintenance tasks and facility management by monitoring consumption and taking action in response to any deviations that may occur. The joint venture is responsible for making the multi-million pound investment in the digitisation of public lighting in the municipality of Burriana

Dario Cesena, Director of IoT at Telefónica Tech, says:

> Our smart street lighting solution consists of connecting the different lighting points with NB-IoT technology to facilitate efficient and sustainable remote management. With this solution, utilities can reduce energy consumption in cities and, with it, local councils' electricity costs, achieving, among other things, savings in maintenance by being able to predict possible faults or breakdowns.

Dionisio Martínez, CEO of Tellink, says:

> Tellink is proud that the joint venture formed by Ferrovial Energía and Endesa is once again counting on Telefónica Tech and us for a new mass deployment of Tellink TSmart-ZD4i smart lighting controllers, together with the remote management software platform. Tellink's remote management systems help to achieve two objectives simultaneously: improving the quality of public lighting for citizens and visitors, and enabling the municipality to reduce its energy costs and meet its sustainability goals.

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