

Energy savings and operational excellence with Interact City

The city of Guadalajara, Spain, has installed 13,500 connected LED light points and 187 cabinets controlled by Interact City software as part of a major upgrade to improve the efficiency of their city lighting.

“This lighting management software helps us to reduce energy consumption, be more efficient, and ultimately helps us provide a better service to our citizens.”

Antonio Román, Mayor of Guadalajara, Spain

Customer challenge

With lighting accounting for nearly 50% of the city's energy consumption, officials on the Guadalajara City Council wanted a connected lighting system with the flexibility to remotely monitor and manage the city's connected light points, as well as the group cabinets located throughout the city. Interact City lighting asset management software makes this possible, by providing a single dashboard for lighting monitoring and management via a secure web browser.

Solution

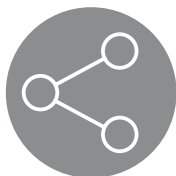
By combining LED luminaires and Interact City lighting asset management software, the city of Guadalajara is well on their way to becoming a smart city.

Lighting managers can monitor the performance of individual LED street lights in near real time and dim or increase brightness in certain areas, such as busy pedestrian crossings or public squares. This combination of energy efficient connected street lighting and remote management is helping the city to reduce its carbon footprint while increasing the services it offers its residents.

Interact – Making it happen

Improving operational efficiency was another goal of the city council. Interact City allows users to manage the lighting infrastructure from just one interface. The powerful asset management software gives managers a map-based view of the city's lighting assets and

workflows so that maintenance crews can be efficiently scheduled to resolve any issues. The percentage of failure complaints from citizens has decreased to less than 0.1% per year.



Open systems approach

Because it uses an open systems approach, Interact City is scalable and future-ready for new IoT applications enabled by sensors and other smart city functionality. With Interact City, Guadalajara is ready to meet the future needs of the city and its citizens.



Safer streets

“Our connected street lighting is already contributing to a safer, more attractive environment for the citizens of Guadalajara and is enabling the city to realise savings in energy and operational efficiencies,” said Josep Manel Martinez, president and general manager at Philips Lighting Iberia.



Greener operations

As compared to the previous city lighting system, Interact City has reduced energy consumption by 68%, eliminated nearly 4,200 tons of CO₂ emissions annually, and considerably reduced the city's operational costs.



Lighting asset management

Interact City lighting management software supports easy commissioning of new and existing lighting assets plus remote monitoring of performance, energy consumption, and fault detection. Know exactly what is happening where and take action immediately through a real-time, data-enabled understanding of your city lighting.

Project details

- Savings of 68% on energy consumption and considerable reduction in operational costs
 - Annual CO₂ emission reduction of nearly 4,200 tons versus the previous systems
 - The system has all but eliminated citizen complaints about street light outages

 **Find out how Interact can transform your business**
www.interact-lighting.com/city

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