

City of Sabugal Portugal

Sabugal is a rural municipality located in the Serra de Malcata nature reserve in Portugal. Its low density population swells with tourists three months of the year, putting a huge demand on the municipality's infrastructure. As a result, the city needed an energy-efficient, highly scalable lighting system.

Customer challenge

Sabugal's normal population of 12,500 nearly quadruples during the busy tourist months in the summer and in December when family members and returnees come back for the holiday season. Isolated locations, barely accessible most of the year, are suddenly filled with people during high season and holidays. This influx of people twice a year puts pressure on the city's resources, and until recently, the Portuguese municipality had to choose between over-supplying energy all year to satisfy the fluctuating tourist demand, or providing limited, inefficient lighting during the busy periods.

A smart lighting solution

Sabugal decided to install Philips Luma road-lighting luminaires were installed and are controlled via Interact City Scene management software. The city now has full visibility and control of their lighting infrastructure. Remote management improves operational efficiency while streamlining maintenance. In case of an outage, crews can be deployed when and where needed thanks to automatic fault detection and a centralized dashboard.



“We have been able to employ a technology solution in a rural environment. Interact City enables us to light up the most remote parts of Sabugal.”

Miguel Mattos, Project Director | - Sete

Interact – Making it happen

By converting the existing streetlights to LED and controlling the lighting with Interact City Scene management software, Sabugal found a scalable, sustainable solution.



Smart lighting

With its new lighting system, Sabugal now enjoys the latest lighting technology, positioning the municipality as a leader in efficiency and improving

the lives of its residents, who have expressed satisfaction with the project since day one.

Interact City Scene management allows officials to switch luminaires on and off remotely using an intuitive user interface, and set up lighting schedules for individual luminaires or groups.



Efficiency and Savings

The Sabugal local government estimates that they have seen a 75% reduction in energy costs by switching to LED and controlling lighting remotely

with Scene management software.



Flexibility

Interact City Scene management software enables Sabugal to optimize its lighting resources according to its daily needs and the demands

of its residents, which fluctuate significantly throughout the year. The city is now prepared for the influx of visitors and can provide reliable lighting.



Sustainability

By switching to LED, Sabugal has extended its commitment to improved sustainability and reduced its carbon footprint, which is especially important

given its unique location in the Serra de Malcata nature reserve.

Project details

- Sabugal converted 10,133 street lights to LED
- Interact City Scene management software allows city officials to pre-program lighting schedules and provides transparency across entire connected lighting infrastructure
- Sabugal was able to save 75% on energy costs with remote management of the lighting system, as well as with the ability to optimize lighting 24 hours a day, 365 days a year

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