

Greener and more efficient with connected lighting

Sodium street lights were removed from the center of Szczecin, Poland and replaced with energy-efficient LED lighting. In total, almost 5,000 Philips Luma LED luminaires were installed, 1,888 of which are managed and controlled by Interact City Lighting asset management and Scene management software.

“Interact City provides a high level of flexibility to meet the different lighting needs in our city at any time.”

Radosław Tumielewicz, Director of Roads and Transport Authority, Szczecin

Customer challenge

Szczecin aims to be an attractive city for investors and tourists, as well as a safe and friendly city for its citizens.

To enhance its attractiveness and competitiveness, the city's municipal authorities raised funding under the energy-efficient street lighting priority program of the Green Investment Scheme (GIS) in Poland, aimed at replacing existing street lighting with a modern, eco-friendly, and economical system.

Solution

Szczecin is the seventh most populous city in Poland, with over 400,000 residents. A center of the country's maritime economy, the city wanted to build on its reputation as an attractive place for investors and tourists, as well as being a safe and friendly city for its citizens.

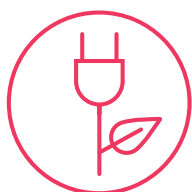
Energy-efficient LED luminaires, combined with Interact City software, were selected for the project. With centralized communication and control of individual light points, the network was transformed into a smart lighting system.

Interact – making it happen

With Interact City Scene management, individual luminaires can be switched on and off, or dimmed to a specific lighting level, on an ad hoc basis or according to a daily or seasonal calendar.

Interact City Lighting asset management software delivers valuable information on each luminaire's status and energy use, while automatically sending fault notifications in case of an outage.

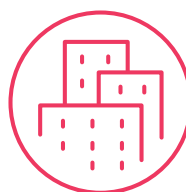
Altogether, the connected street lighting system provides cost savings of up to 70%, contributing significantly to Szczecin's smart city approach. With no expensive 'scouting' for luminaire outages, both energy and maintenance costs are significantly reduced, improving the overall management of the city's lighting. If luminaires do fail, maintenance crews can be notified immediately, improving efficiency as well as lighting standards.



Reduce energy usage

LED technology reduces electricity consumption by up to 50% compared to sodium lighting. The new system can be switched on and off or

dimmed automatically, meaning luminaires use only as much power as needed. Lower energy consumption directly translates into reduced CO₂ emissions of almost 7,000 tons per year in Szczecin.



Beautify urban spaces

The lighting increases the attractiveness of urban spaces and gives Szczecin residents and visitors the opportunity to enjoy the charms of the city at

night. The white LED light makes the cityscape, parks and squares look more beautiful and brighter after the sun goes down, helping people to feel safe.



Scene management

Remotely adapt city lighting to time of night, season, or context. Turn lighting up if there's a traffic accident or crime. Dim to 30% when the

streets are empty late at night.



Lighting asset management

With Interact City, you have access to data about the status of each luminaire, as well as information about faults as

they occur. Maintenance crews can be instructed immediately, improving maintenance efficiency. Interact City Lighting asset management helps to realize additional savings through accurate energy metering.

Project details

- The system reduced CO₂ emissions of almost 7,000 tons per year in Szczecin
- The new lighting system will save the city up to €360,000 annually

 Find out how Interact can transform your business

www.interact-lighting.com/city

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