

Business case study

Connected LED street lighting in Poland: how a targeted national programme enabled action at scale by local governments

In Poland, lighting operator Oświetlenie Uliczne i Drogowe Sp. z o.o. (OUiD Kalisz)* delivers lighting infrastructure services to over 100 municipalities in three provinces. OUiD Kalisz manages over 20,000 connected street lighting units and is one of the largest connected street lighting installers in the country. Local government retains 100 per cent of the company's capital.

Between 2018 and 2021, a number of street lighting upgrade projects were financed by the Polish government's stimulation programme 'SOWA LED outdoor lighting' dedicated to municipalities and organised by the National Fund for Environmental Protection and Water Management. The programme had two key objectives: to reduce CO₂ emissions and to improve energy efficiency through modernisation of the lighting infrastructure.

Lighting industry leader **Signify** was a strategic technology partner for OUiD, providing both hardware and lighting software in the form of Philips street luminaires and the Interact City solution, an intelligent system for remote management of the lighting infrastructure. The investments were carried out by OUiD Kalisz.

The programme has resulted in various positive outcomes. Despite an increase in the number of light points and lighting levels, cities have reduced their electricity consumption and costs by approximately 70 per cent by switching to LED technology and the Interact City luminaire control system.

*www.oswietlenie.kalisz.pl/

Through having control over the existing lighting installation, local authorities can better adapt the service to changes in the context and needs of the citizens, while also incurring lower maintenance costs. A core enabling factor was the funding from the government's stimulation programme, which enabled participating cities to obtain long-term benefits from investing in more efficient, future-oriented infrastructure.



Estates of single-family houses in Ostrów Wielkopolski City. 'Interact City' improves the visibility and safety of all road users. Credit: Signify.