



1612
luminaires



52 cabinets
upgraded



User-friendly
application

Case study

Smart lighting in Brezno has resulted in over 50% energy savings

The renovation project in the city of Brezno focused on improving efficiency, safety, sustainability public lighting across streets, parking lots, parks and other public spaces. This was achieved by replacing outdated electrical switchgear and luminaires, but also by introducing intelligent lighting control technologies. The key reconstruction parameters include:

Renewed Electrical Cabinets

A total of 52 electrical cabinets were upgraded with Seak LUMiMASTER control units and modulation units Seak LUMiBOX. This technology provides advanced control capabilities and ensures the efficient operation of the lighting network.

Upgraded existing LED luminaires

Over 1100 original LED luminaires were equipped with Seak LUMiNODE dimming modules, allowing for precise intensity control. This feature not only enhances the quality of illumination but also contributes to significant energy savings.

Replacement of old inefficient luminaires

500 old and inefficient luminaires were replaced with modern LED street luminaires (38W, 40W, and 70W) featuring lighting control. Reducing power brings significant energy savings every day.

Control via StreetLite Software

StreetLite software enables the city to remotely monitor and control the entire lighting infrastructure. This software facilitates the setting of lighting schedules, configuration of alarms, and viewing of detailed reports, providing the city with a user-friendly management interface.

The renovation of public lighting in Brezno serves as an exemplary model of renovation of street lighting and also provides valuable insights for other cities aiming to improve their public lighting infrastructure.

