

Street lights controlled in Rosice and Smolnik

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over **300**

street lights installed and controlled

0%

of problems since the first day of the run

over **50%**

cost savings thanks to the modern technology



The Idea

The main goal of DATmoLUX was to provide an efficient street lighting for city Rosice (Czech Republic) and Smolnik (Slovak Republic).

The solution should be economical and environmentally friendly. The system must be able to monitor and control individual lamps as well as the whole street or group of lights.



The Solution

The complete solution consists of

- 1) LED lights controlled by robust and reliable IQRF wireless mesh network,
- 2) MSB-K concentrator installed in the control unit
- 3) MSB-C component positioned in the lamp, which has a relay output for turning on/off the lamp and a digital output for the control of intelligent gears and monitoring the lamp status.



The Results

As the result, the customer ROI with lower lighting power consumption is very fast, lighting control is 100% reliable and easy to use, supervisors do not need to travel to find out which light starts to have problems and there is detailed diagnostics of all lamps during the time. Based on actual status and long-time data there can be good predictions made.



The IQRF Benefits

The IQRF wireless mesh network enables easy installation, provides robust, reliable and secure communication even in a harsh and changing environment and brings scalability and interoperability so the wireless network can be enlarged with different products of IQRF Ecosystem.