



Street lighting monitoring

Comprehensive solution for monitoring, control and diagnostics of street lighting power supply



- **proven solution**
- **adaptation to specific requirements**
- **extension possibility**

Street lighting monitoring is a comprehensive and modular solution that provides monitoring, control and diagnostics of street lighting power supply. It is designed for remote monitoring of power switching points. Provides continuous dispatching supervision of the power supply presence on individual terminals. It mediates monitoring, processing, evaluation and sending of fault states. Possibility of integration of other functions by easy expansion (quality of electrical energy, fire sensor, door contact of the cabinet).

→ Basic Characteristics

- collects and processes data from power switching points
- online supervision of monitored and controlled equipment
- online central control
- number of autonomous functions for control and monitoring
- monitors faults states and generates alarms
- can generate alarms to a log, via SMS, or email
- simple connection to provider's database or information systems
- complete HW and SW supply or possibility of a cloud solution
- broad range of related services and warranty/post-warranty care

→ Typical use

- system for remote monitoring and management of street lighting switching points
- central system for monitoring large infrastructure

→ Properties

Communication

- distributed system equipped with the possibility of remote communication using various interfaces
- offers control, measuring and diagnostic functions
- HW solution based on Storm units or using suitable IoT technologies
- support for wireless and mobile communication, or integrated GPS function
- serial as well as network communication, protocols according to the energy, industrial and transport standards

Data processing and presentation functions

- all the benefits of an online real time system
- online data evaluation, processing and providing data to and from external systems
- comprehensive system of short-, medium- and long-term archiving
- extensive system of data visualization in fully graphical environment of visualization clients, online diagrams, tables, graphs and their combinations
- display of specific diagrams (power network scheme) and the connection with map materials (city, city part)
- multiplatform user application smart- (Linux or Windows), light- (web browsers) or mobile-client (Android, iOS)
- optical and acoustic alarm outputs, support for wireless alarm transmission systems (SMS, pager)



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