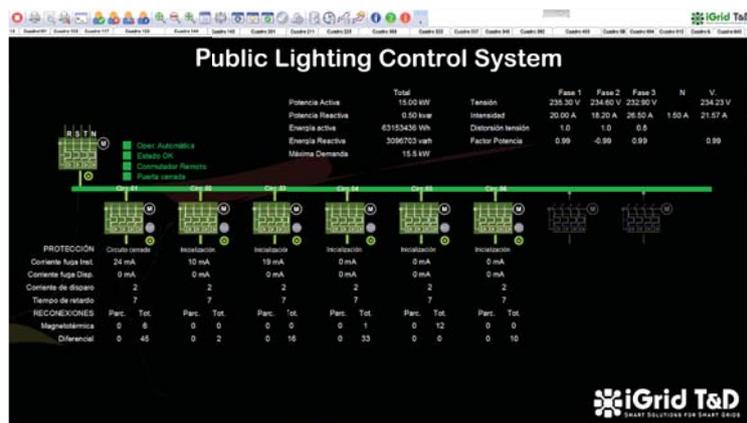# iControl
Lighting Edition

Public Lighting Control

Management of the public lighting system is a major concern for municipalities. The deployment of efficient control systems is a key factor for optimizing the energy consumption of a town's lighting system, preventing breakdowns, detecting blackouts and allowing fast restoring after a blackout situation and, therefore, improving the end customer satisfaction.

iControl lighting edition system is the ideal solution for the remote management of public lighting systems with thousands of streetlights points, multiple multi-vendor existing devices (meters, protection relays, RTUs, PLC, etc.) and several communications protocols used for data reporting.

Product Highlights

- Optimize energy consumption.
- Helps preventing and detecting blackouts.
- Real-time monitoring and analysis of energy usage.
- Communication with key protocols
  (IEC60870-5-101/104, DNP3.0, Modbus).
- Compatible with any type of IED, regardless of manufacturer.
- Optional SQL database and Crystal Reports reporting.

- SMS and e-mail customizable alarms for maintenance.
- Client/server architecture.
- Ability to perform logical and arithmetic operations for data calculations.
- Very easy to use, configure, maintain and backup.
- XML-based configuration files.
- User customizable library of components.
- Multilanguage support.

iControl Lighting Edition

The **iControl** lighting edition is the perfect choice for small utilities and municipalities which want to deploy control systems for their public lighting with limited investments.

iControl is a low-cost SCADA software that allows to optimize the energy saving, concentrate   all the information from the electrical and lighting grid and provide real-time data of the energy usage.

The **iControl** lighting edition allows to control up to 200 IED and 12,000 IO points in a client/server architecture (server + 2 clients).

It offers multiple functionalities, among which are: SQL databases and Crystal Reports reporting, SMS and e-mail alarms, ability to perform logical and arithmetic calculations, etc.

Technical Specifications

› Features

• Client / Server architecture (server + 2 clients).
• Control of:
    - up to 200 RTUs
    - up to 12,000 IO points
• Compatibility with any type of RTU and device,
  regardless of manufacturer.
• SQL database reporting (optional).
• SMS and e-mail alarms.
• Logic and arithmetic calculations of data points.
• Capability of working with floating clients (optional).

› Communications

• Implementation of the following protocols:
    •IEC60870-5-101/104
    •DNP3.0 serial
    •Modbus RTU/TCP/UDP

• Support for any physical media:
    •RS-232/422/485
    •GSM/GPRS
    •PSTN
    •Ethernet

This SCADA system is easy to use, configure and maintain. It uses system configuration files based on open formats (e.g. XML) and generates historical reports in standard formats such as CSV or TXT.

iControl also brings a simple and easy graphical user interface (GUI). It allows configuring the behavior of each signal through the user interface, linking field information to its graphical representation through 'drag & drop', and using graphs to represent analog information.

Furthermore, the graphical representation of electrical devices can be adapted to suit any customer needs, thanks to the use of images and SVG components.

› Data

• Configuration files in open formats (XML, INI).
• Easy creation of RTU configurations and databases, importing macros/applications.
• Export data to standard formats such as CSV for its later processing.
• Automated backup processes.
• SQL databases integration available.

› System Requirements

• 800Mhz Pentium IV
• XP SP3 or later operating system
• No installation required
• USB dongle protection

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