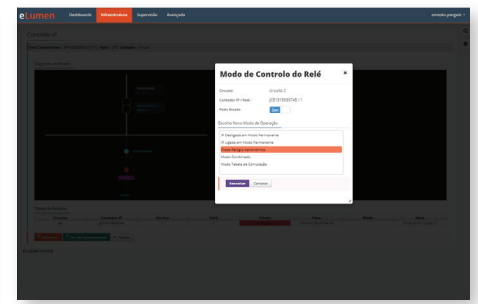
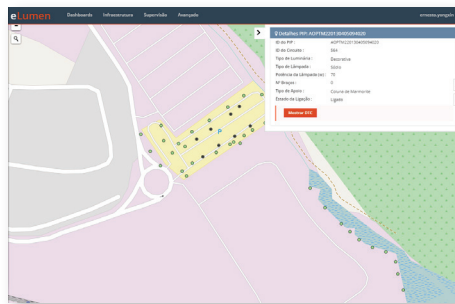
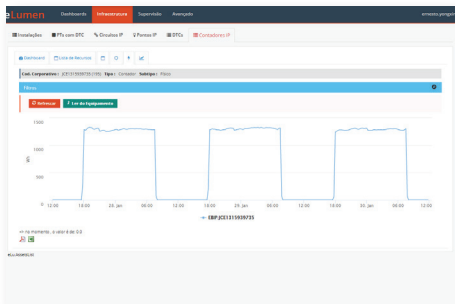


eLumen

Street Light Central Management System



eLumen, web-page snapshots

eLumen

Efacec, in line with its technological strategy and aiming to answer the new energy and environmental challenges, developed a new range of solutions for Smart Grids, designated by **SmartPower**

In this scope of extensive provider of Smart Grids solutions, Efacec presents the **eLumen**, a solution for street light management.

With **eLumen** users can monitor and control street lighting through a dedicated web-platform.

eLumen is responsible for operational management of street lighting infrastructure in terms of parameterization and control, as well as for monitoring (status, anomalies, events and historical record of energy consumption).

Available packages of eLumen software

- **eLumen CMS** - an industrial CMS (Central Management System) dedicated to street lighting management, each can control thousands* of control equipment, with street lighting functions, such as **G Smarts**.
- **eLumen Public** - a web-platform dedicated for municipalities, for monitoring and control of the street lighting that is under its authority.

* depends on specific server configuration

Benefits

- Reduction of energy consumption and, as consequence, of CO2 emissions
- Reduction of maintenance costs, by detecting problems in street lighting
- User-friendly web-platform for street light management
- Shared street light management platform

Street Light Manager

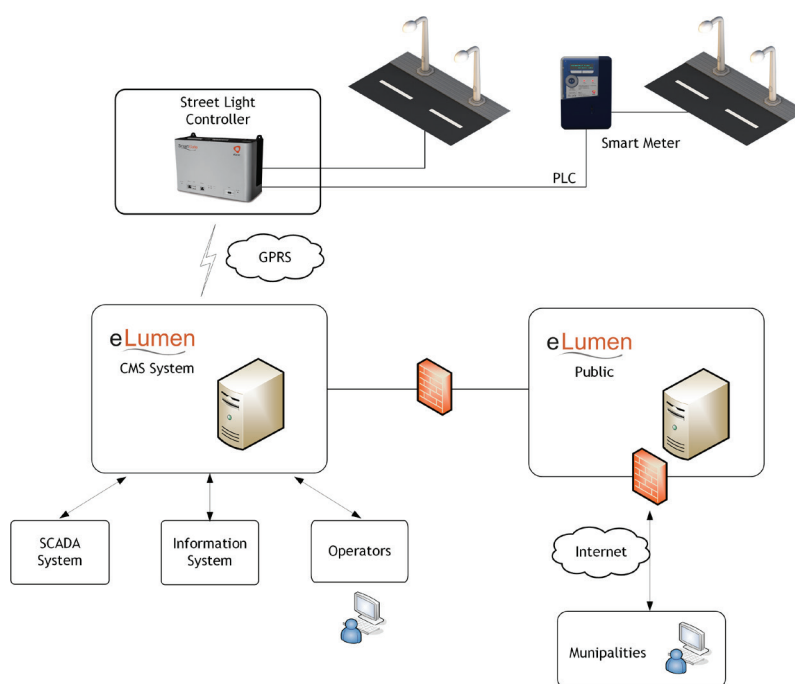
The **eLumen CMS** allows to perform the following operations:

- User management
- Client definition
- Configure service definition
- Definition of schedule programs and special day definition
- Allocate street light timetables programs to services and circuits
- Allocate the control circuits of distribution transformer controller to specific services
- Allocate the smart meters and control equipment to specific services and distribution transformer
- Manual control to street light control equipment
- Visualization of astronomical clock
- Visualization of transformer street light circuit using web diagrams
- Automatic and manual supervision of street lights circuits states
- Storage and web access to street lights circuit consumptions, reported from smart meters
- Proceed with the configuration of distribution transformer controller and smart meters
- Perform and export searches
- Events and alarms monitoring
- Street light transitions events listing
- Analysis of energy consumption for problem detection
- Perform operational reports
- Import and export configuration data through available software tools

The **eLumen Public** allows to perform the following operations:

- Account validation and login for each municipality
- Program schedules visualization
- Operation on street lights control equipment
- Street light events visualization
- Search for assets in internet maps
- Access to data related with municipality: street lights, control equipment, smart meters

Example of System Architecture



Efacec Energia, Máquinas e Equipamentos Eléctricos, S.A.
Automation Business Unit

Rua Eng. Frederico Ulrich - Ap. 3078 | 4471-907 Moreira Maia | Portugal | Tel: +351 229 402 000 | Fax: +351 229 485 428 | ase.eng@efacec.com | www.efacec.com/automation



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