

CITIGIS SYSTEM

LEVEL 3 –CONTROL CENTER

The purpose of Control Center is to monitor and telemanage remote on-field installations.

Powerful software platforms and a great development of communications have changed the classic concept of Control Center. It may no longer be a control room, but a combination of PC applications, web services and Smartphone apps that are able to monitor and command remote installations at real time.

When the number of installations is high, a Control Room with monitors, synoptics, becomes necessary in order to keep up with the service, and ensure good exploitation of facilities.

TELEMANAGEMENT MODES

The most usual telemanagement modes are : Centralised Control Center that includes physical server and communications and Cloud Control Center, where information is accessed from portable devices – smartphones, tablets, laptops – via internet and cloud applications.

Depending on the amount and complexity of installations to be under control, it is chosen the operation mode that may achieve the expected performance and objectives.

CENTRALISED CONTROL ROOM

It is the physical place that centralises information retrieved from installations and where programming and orders are sent from.

Servers, PCs, Monitors, Communication devices are allocated in the same room.

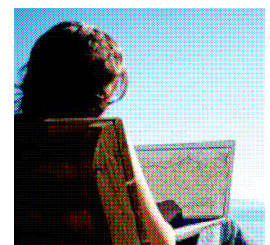
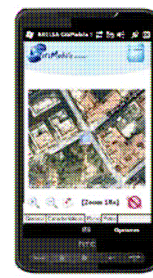
The Centralised Control Room is complemented with mobile devices connected via internet.



CLOUD CONTROL AND REMOTE ACCESS

It is now possible to telemanage streetlighting installations from every PC, tablet or Smartphone without need of any Centralised Control Room.

Our Cloud Applications bring you all the functionalities of the Citigis System virtually, with no physical servers or communications on your site.



TELEMANAGEMENT SOFTWARE PLATFORM

The Software Platform – CMS - is the base of the system. It integrates all features and functions related to operation and exploitation of remote installations. The most important aspects are the ability to deal with big amounts of data gathered and ease decision taking of managers and maintenance staff.

CITIGIS® SOFTWARE

Developed by Arelsa, it is the result of a 20+ years experience in street lighting telemangement.

Modular and scalabe application

Modules GIS cartography, Inventory, Telemangement, Maintenance, Energy Management and up to 20 more are integrated on the same software application.

There are specific modules for consumption and billing control. Energy audit module follows Spanish energy audit standard RD1890/2008 REEIAE.

Information can be exchanged with other platforms.

DATABASE

Citigis server may be hosted in different manners, either on physical server on clients's facilities or on cloud servers.

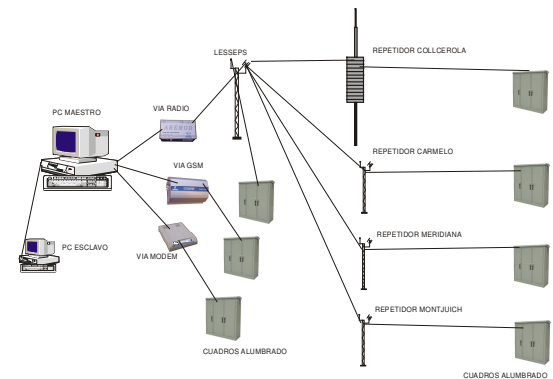


COMMUNICATIONS

Communications are the fundamental for ensuring that remote information reaches the user fast and safely.

Depending on the amount of installations and networks available, there has always to be chosen the best solution.

Citigis platform uses all types of existing communications –from private radio networks to mobile operators, city networks. The decision for one or a mix of communication devices is a commitment between performance and cost.



OTHER TOOLS

Total control of installations is achieved by use of portable devices and control equipment such as :

- wire robbery watching
- earth leakage control terminals
- dynamic light control, etc.