MANIOLA
smart sensing
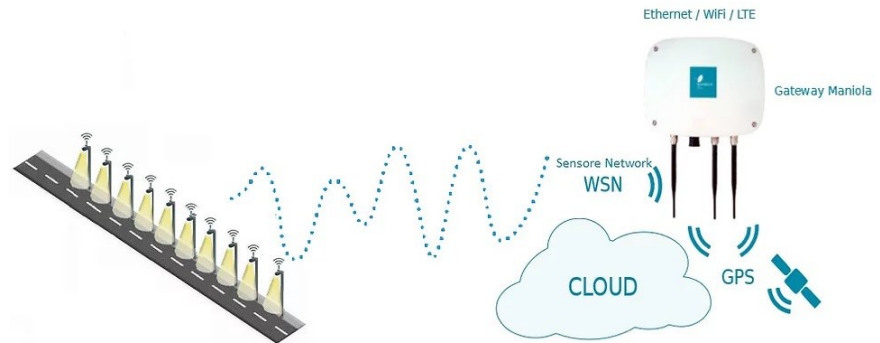**Observe - know - take action**

LIGHT MOTE

Management system for street lighting

LIGHT MOTE, is a software and hardware system of Maniola Smart Sensing, able to transform a lamp post in an integrated system of detection of environmental parameters.

LIGHT MOTE, is the integrated system for the management of street lighting systems, consisting of board transceiver configured to define, read, control and modulate the parameters of the light.

LIGHT MOTE, can turn a light point in your town in a control system capable of monitoring the environment and achieve energy saving targets never expected so far.

In this way, through any device connected to the Internet, you can perform analysis and reporting energy of the street or an entire district in remote control.

THE OBJECTIVES :

- Modulating the brightness of the individual light point

- Check the functioning of the lamps

- Obtain energy savings up to 75%, or point to areas

- Use accessories to control:

      air pollution

      noise pollution

      parameters thermo hygrometric

      etc ...

- Ensuring the level of lighting depending on the traffic

- Check the operation of traffic lights

- Modular time of traffic light systems

- Manage preventive maintenance, saving up to 70%

  … and much more

LIGHT MOTE

It 'a WSN application for the management of street lighting, web based, allowing the creation of a
central repository for energy-saving monitoring and maintenance management.

LIGHT MOTE is WSN

LIGHT MOTE, using the system WSN, Wireless Sensor Network, which is a wireless network, equipped with distributed sensors capable of detecting monitor physical or environmental conditions.
The network consists of a set of nodes-sensor installed on board of the reinforcement road, which communicate with a gateway, to which transmit data.

THE GATEWAY is the access to the network and has the task of collecting and processing data stored in the cloud, this allows displaying the status of plant in real time from any device (computer, smartphone, tablet).
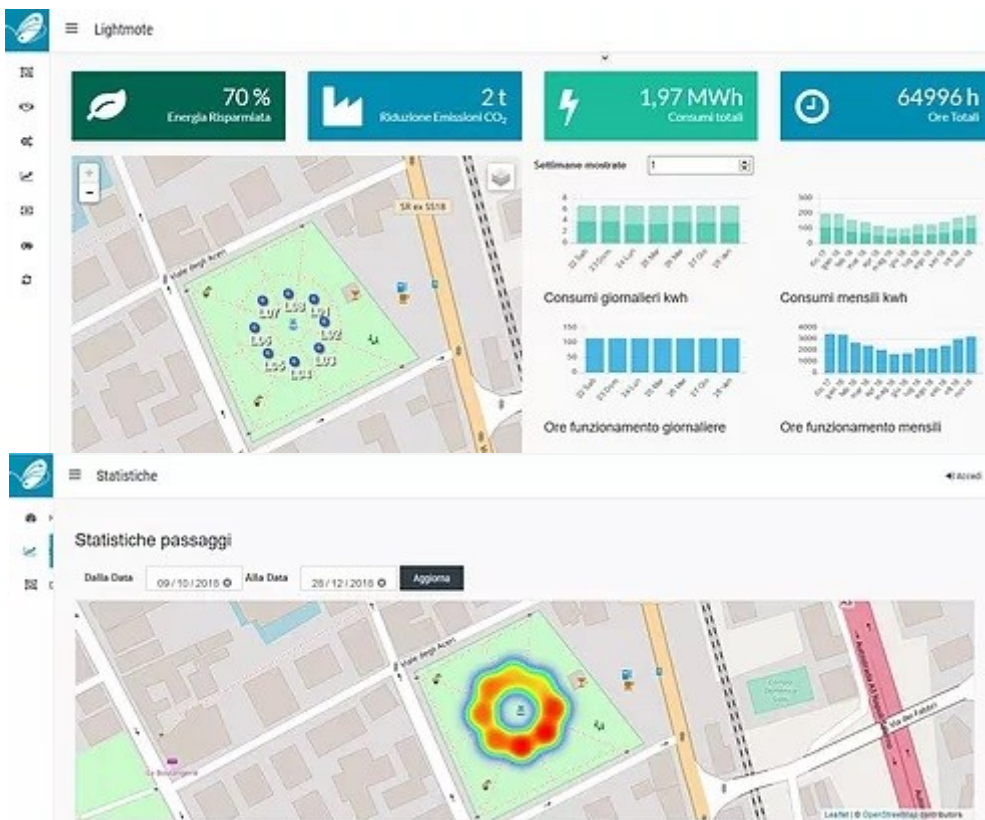

SOFTWARE LIGHT MOTE

SOFTWARE is in the Cloud allows you to access your private zone with password according to the credentials assigned.
You can login as:
- MANAGER
- MAINTENANCE
- VIEWER

It will be possible to identify the " profiles " of the time slots in which to select the savings expected, and simulate the statistics of savings compared to other lighting systems (discharge, vapor etc ..).

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Business proposal

- A device on board the single light point

- Control unit for groups of up to 50 poles

- Buying Hardware to install the lamps

- Buying of units

- Annual subscription for management software

- Free software update

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