

SMART PUBLIC LIGHTING

HOW TO COMBINE COMFORT, SAFETY AND ENERGY EFFICIENCY?

Today's city faces new environmental challenges

In this context, modernising a lighting infrastructure by replacing energy-intensive installations with smart public lighting systems will help maintain user comfort while optimizing energy consumption.

Smart public lighting

1st

item in electricity consumption for a municipality

(by source : ADEME)

42%

of a municipality's electricity consumption

PUBLIC LIGHTING ON RADAR DETECTION FOR...

LIGHTING AN AREA

The number of detection points is reduced while ensuring the comfort and safety of users. This solution also helps reducing light pollution.

DETECT ALL TYPES OF USERS

Whatever their mode of transport:

vehicles, cycles, scooters, pedestrians.

- Lighting of cycle tracks, paths, parks
- Information of the presence of cycles on a hazardous road or intersection

ANTICIPATE

The arrival of users for a safe and comfortable reception thanks to **adjustable detection range from 1m to 200m.**

- Lighting for car parks, businesses or industrial sites, motorway service areas, etc.
- Lighting for isolated areas such as motorway service areas, etc.

ADAPT

Detection to the application by integrating **the speed and/or direction of movement** of the user

- Street lighting when a vehicle arrives
- Adaptation of lighting when a car slows down to park



Capsys

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R-Flex Range

EFFICIENT

24GHz detection radar, many configurable parameters to adapt the detection

ENERGY SAVING

Very low consumption

INTEGRATION INTO THE ENVIRONMENT

Small size
Discrete (LEDS can be disabled)
No civil work



EASY INSTALLATION

Quick fixing on different types of supports (posts, wall, etc.)
Multi-position mounting bracket

FLEXIBLE SETTINGS

Many adjustable parameters including range, detection hold time, over/under speed detection, etc.

EASY AND INTUITIVE CONFIGURATION

All configuration via Cap'Mobile app
Wireless settings & maintenance.



ZOOM ON



In the context of smart public lighting tenders, we have supplied more than 480 radars to the city of Lyon. These equipments allow the control of public lighting according to the number of vehicles.

Several areas are concerned, including the Montchat and Monplaisir districts and the plateau of the 5th arrondissement on the Fourvière hill.

Other experiments to extend the system to pedestrians will also be deployed in the near future.

480 radars



Capsys innovates to support the evolution of **smart mobility and urban infrastructures**, such as smart public lighting. **For more than 30 years**, our multi-technology expertise covers the whole range of detection applications for vehicles, active mobilities, road and rail public transport.

Committed to a **quality approach**, we offer **reliable and sustainable detection solutions** adapted to connectivity and digitalization of urban equipment as well as environmental challenges,

