

# PREPARE TODAY FOR THE LIGHTING OF TOMORROW

VILLEFRANCHE-SUR-SAÔNE





## Challenges

### Nowadays, the development priorities for Villefranche-sur-Saône are:

- To secure the intervention of technicians in the field.
- Control operation and maintenance expenses to fund future investments.
- Identify potential savings opportunities (operation, energy, maintenance).
- Enhance the attractiveness of the city centre.



## Approach

In order to define its needs and to develop its future lighting management plan, Villefranche-sur-Saône has launched its first testing phase at two pilot sites.

### The town has chosen to test:

- A cabinet management solution only.
- A cabinet management solution up to the light points.
- A detection solution.

## VARIOUS TEST OBJECTIVES



### Optimise maintenance

- by reducing the technicians' night shifts in order to ensure their availability.
- by monitoring the correct operation of the installed fleet.
- by receiving alerts about malfunctioning installations.



### Measure and analyse performances

- to prioritise future investments by identifying installations that require an urgent update.
- to demonstrate the savings made in energy and operation costs following an update.



### Test scalable solutions

- for the control and management of the cabinet and/or light points.
- to adapt to the future developments of the lighting fleet.



Villefranche-sur-Saône, located in the Department of Rhône (69), has a fleet of approximately 4,400 light points and 136 cabinets, which are generally in good operating condition.

The update to the fleet happened gradually, and today 10% of light points have LED bulbs installed.

The reductions in the electrical power installed and the replacement of equipment by more effective lighting fixtures have enabled the town to reduce its energy consumption by 8% over a period of six years.

### VILLEFRANCHE-SUR-SAÔNE IN NUMBERS

- 136 cabinets
- 4,400 light points
- 82.5 km of lit routes
- 37,000 inhabitants

A MAINTAINED FLEET: 75% of the fleet is in good condition

10% of the fleet has LED bulbs



## THE CHOSEN SOLUTION

Supported by LACROIX City's street lighting business unit's customer service and by the AREL Agency, Villefranche-sur-Saône has chosen the Tegis ecosystem to cater for smart, scalable and modular solutions:

- Cabinet management, with Tegis Lighting
- Cabinet and light points management, with Tegis Lighting Plus
- An ergonomic and easy-to-use web platform

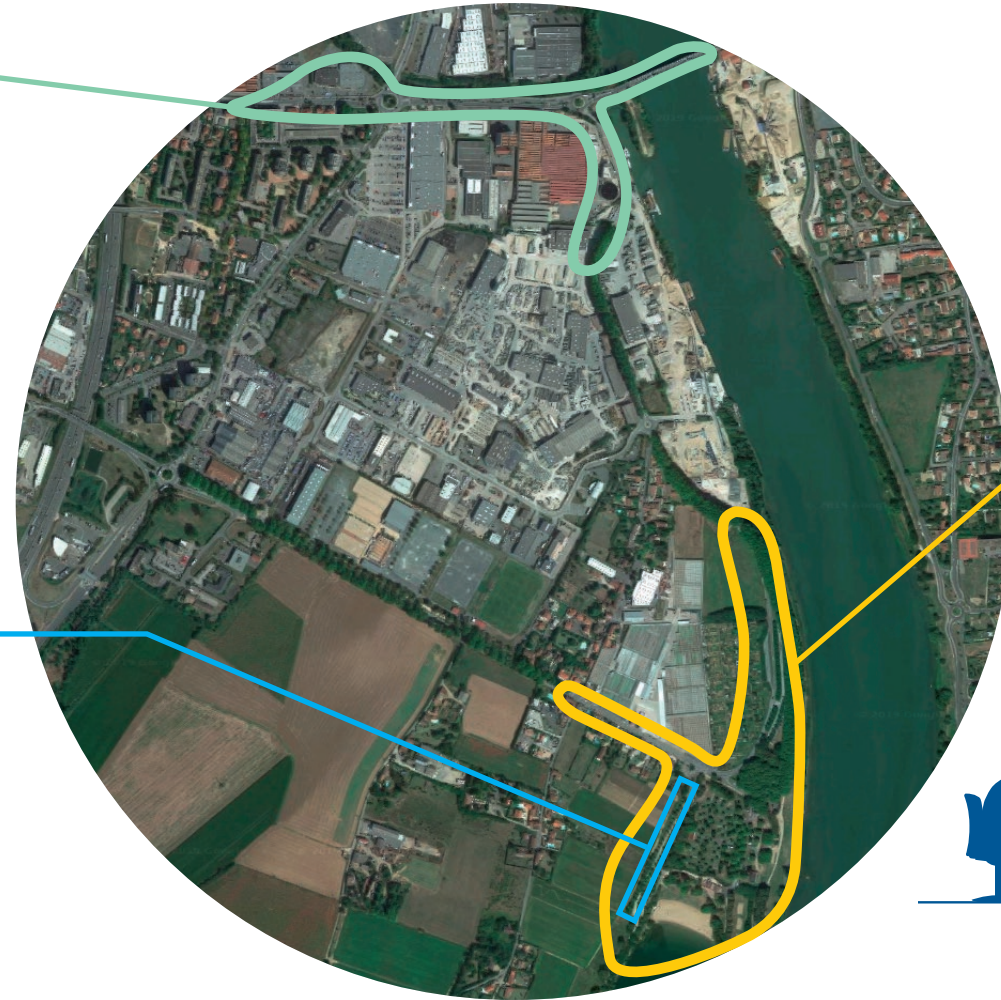
In addition, the SensyCity detection solution was chosen.



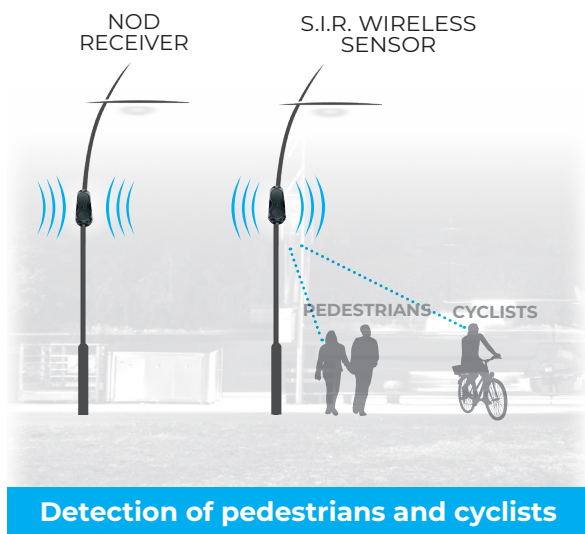
## TEGIS: scalable and smart ecosystem to manage street lighting

### Tegis Lighting

Area with **connected management** of street lighting cabinets



### SensyCity



### Tegis Lighting Plus

Area with **connected management** of street lighting cabinets **up to the light points**



### WHAT'S BEING SAID...

#### Tegis®, a flexible solution

The versatility of **Tegis** enables me to adjust the controls on the different installations in Villefranche-sur-Saône: **a real flexibility in view of our living areas and activity spaces.**

*Pascal JUILLARD, EP supervisor*

A customised service

### CONVINCING RESULTS

- ✓ **Improvement of the operating conditions** by analysing prior events.
- ✓ **Maintenance savings** thanks to remote modifications to the lighting and shutdown schedules of cabinets.
- ✓ **Monitoring of the fleet's energy performances**, which enables the identification of installations that need to be urgently updated and to quantify economic gains.
- ✓ **Confirmation of the need for scalable solutions**, to adapt the deployment of smart management to the current rate of investments.

### WHAT'S BEING SAID...

#### Tegis®, proven savings

The installation of Tegis lighting cabinets before an update allows us to easily **measure** and **demonstrate the energy savings that are obtained after improvement works.** At a later stage, we will use Tegis to monitor the performances in terms of the operation and consumption of the improved installation.

*Philippe DUMAS, EP manager*



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