



Connect the world of things

Smart Saint Sulpice

- **Our company**

French start-up founded in 2014 and specialized in wireless technologies, Wi6Labs develops solutions for an efficient and sustainable internet of things global network.

- **Our profession**

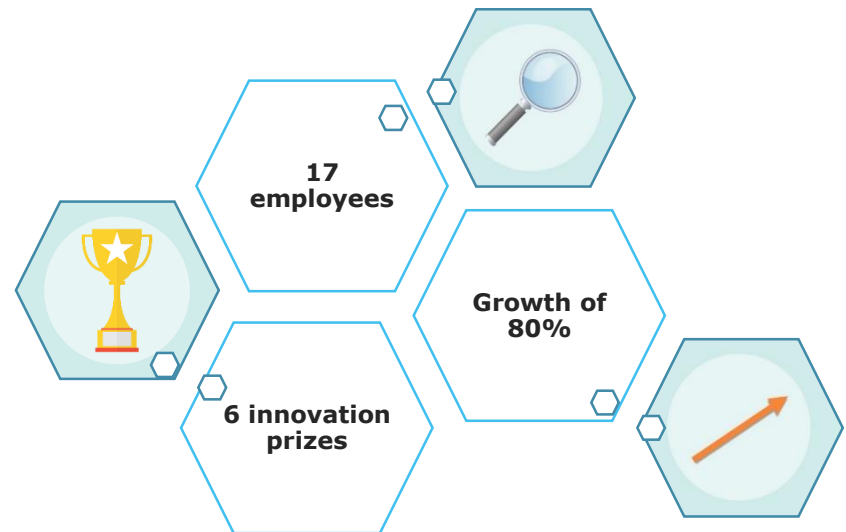
Wi6Labs is a designer and integrator of solutions dedicated to the internet of things. Our expertise extends from the sensor to the telecom infrastructure.

- **Technologies**

Our solutions are relying on open standards such as 6LoWPAN, LoRaWAN™ and Sigfox. They are certified on the internet of things networks.



- **Key figures**

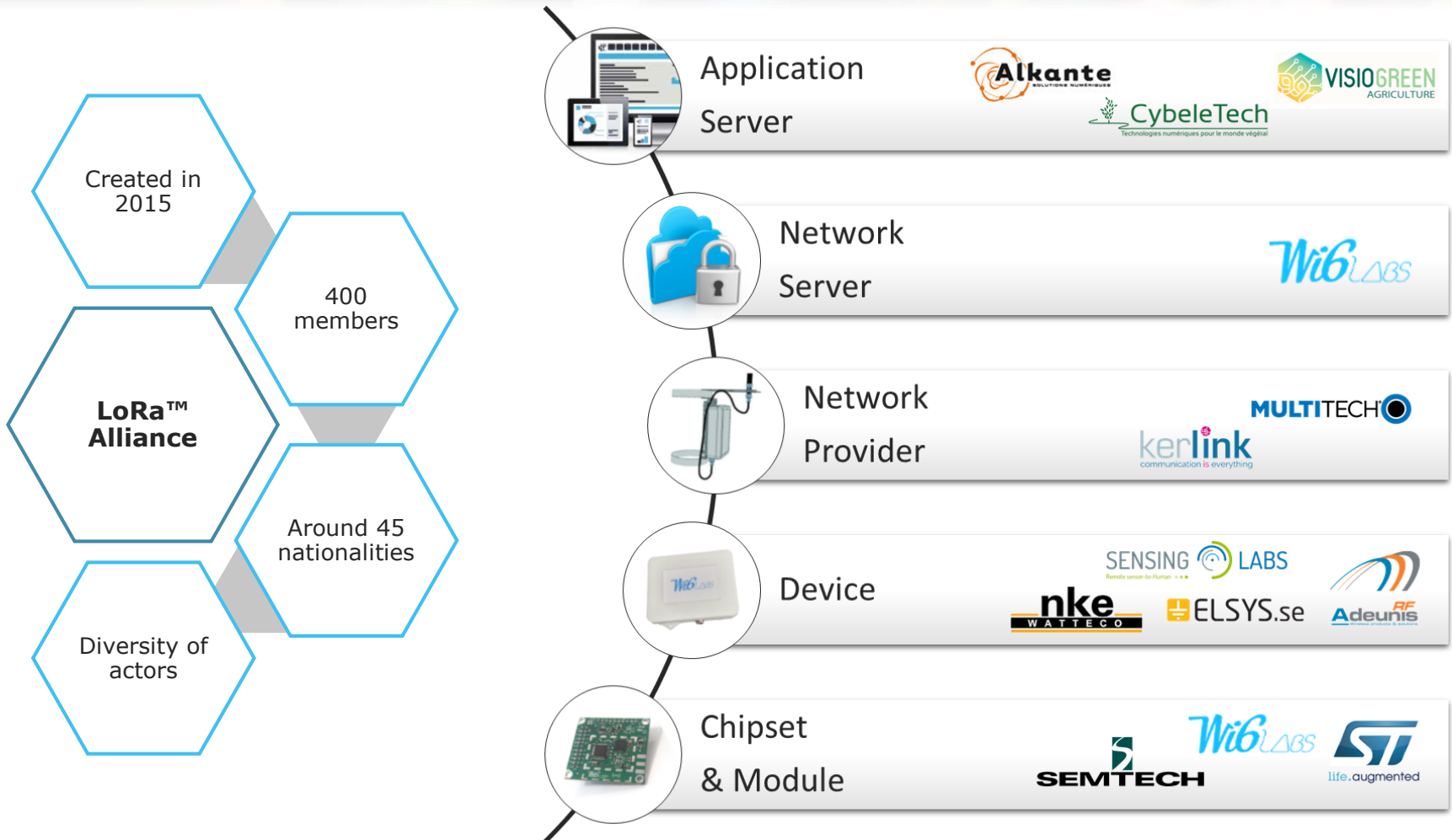


- **Our activities**

**Network
solutions**

**Smart
environments**

**Engineering
consultant**



Smart environments

As part of your IoT projects, Wi6Labs offers an end-to-end design and integration service from the sensor to the internet connection and including intermediate devices such as the gateway and the network server. Our solutions are adapted to different sectors of activity:



Smart building

Monitoring and optimization of energy consumption



Smart city

Control of urban public lighting
Monitoring of urban environment pollution



Smart agriculture

Production of environmental data



Smart grid

Remote reading of electricity meters



Smart factory

Monitoring and optimization of industrial processes

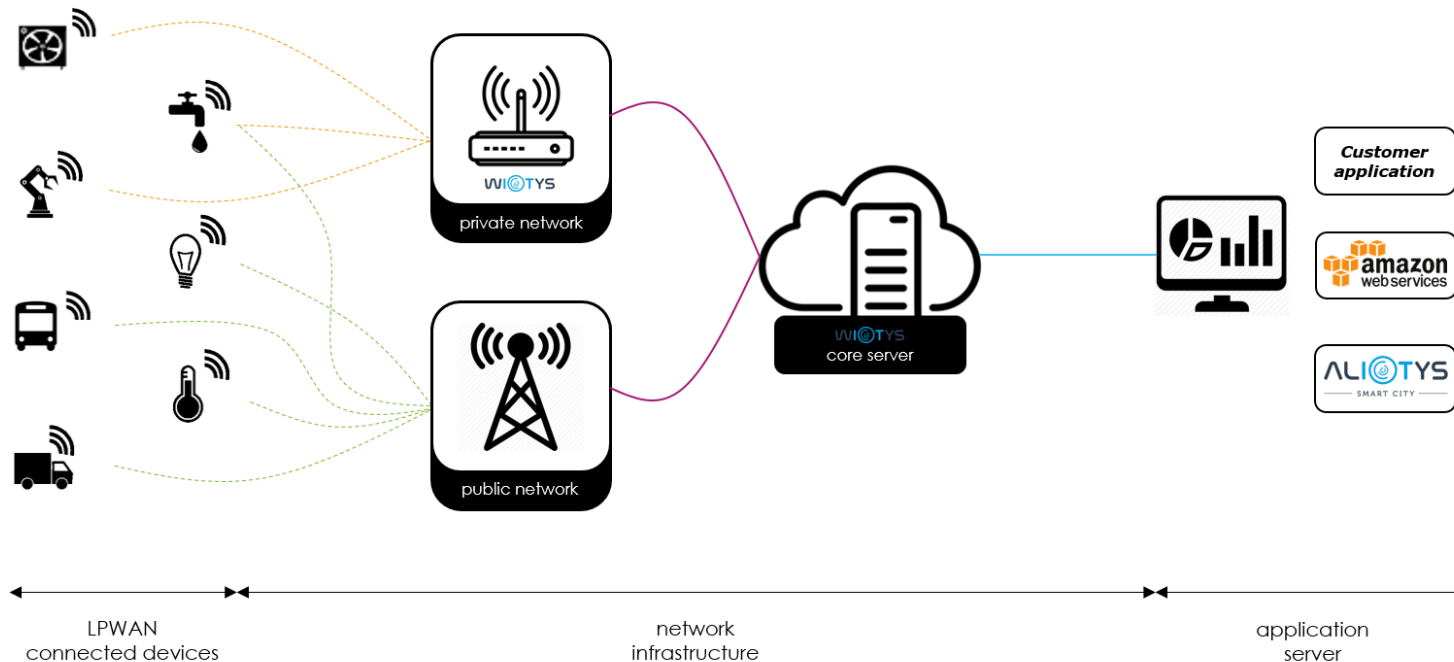
Our deployments

- [Smart Saint-Sulpice](#) : monitoring and energy management of public buildings
- [Rennes Metropole](#) : IOT LoraWAN private network for 400k citizen area
- [Super Citizen Smart Sensor](#) : collection and processing of environmental data
- [Magestan](#) : monitoring and energy management of vegetable cultivation
- [Le village positif](#) : eco-district project in le Perray-en-Yvelines (Ile de France)
- [Cense](#) : urban nuisance mapping project



Build your own internet of things network thanks to Wiotys

This hybrid and multi protocol solution allows you to control all your connected sensors and equipment and then retrieve your data. All this in an easy way and on a same platform.





Easy as 1, 2, 3

1. Create your network

Wiotys allows you to create your own internet of things network. Start by installing all your connected devices previously selected thanks to our products catalog or by your own.

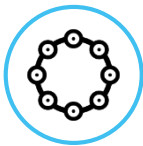
2. Connect your sensors

Then, connect in a few seconds your devices on the Wiotys platform. Intuitive and interoperable, the Wiotys solution is compatible with all the market's sensors.

3. Collect your data

Once your devices are installed and connected, your data is captured on our network core. Then, the Wiotys web platform restores data to your own information system.

Our commitments



Interoperability



Confidentiality



Quality of service

Use case: Saint-Sulpice-la-forêt

Water leakage detected after 18 month when analyzing invoice.
-> 26 swimming pools

Solar panel issue

Heating system not optimized

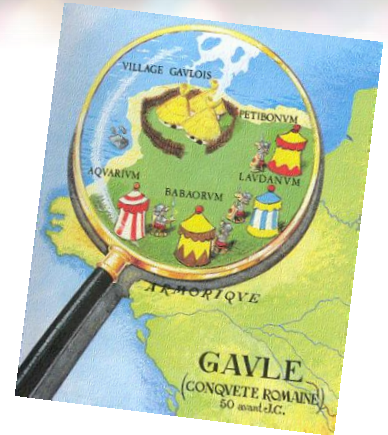
No real time indicator. No alarm

Energy bill increase by 7% each year since 2006

User behavior

Lack of building kpi

Small density region – white area



Use case: Saint-Sulpice-la-forêt, the world's smallest smart city

The project « Smart Saint-Sulpice » was initiated following a significant increase of the energy bill of the town. Therefore, the town council decided to try a system which enables them to pilot its energy consumption. The goal : **To achieve at least a 20% reduction of its energy costs** for the communal buildings.

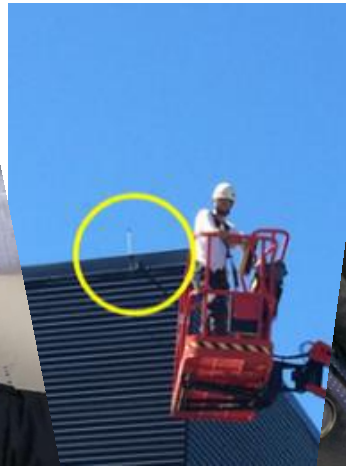
In order to achieve this reduction of energy expenses, the municipality decided to set up **a clever installation which does not need any construction works or cabling**: the deployment of a wireless sensor network, which allows to analyze several parameters such as temperature, gas and electricity. First, the data is collected, then processed and the relevant information is represented in a dashboard, accessible thanks to an app.



Use case: Saint-Sulpice-la-forêt, the world's smallest smart city

Key figures of the project:

- 2 gateways
- 29 sensors
- 3 types of users: municipal officials, technical service and citizens
- 20% energies saving





Aliotys is a full solution, which connects territories thanks to new internet of things technologies. This solution, from the sensors to the user, ensures the energy management of public buildings and the monitoring of environmental data.

The solution's benefits

- Economic :
 - Improve rentability in real time
 - Reduce the energy bill (by at least 20%)
 - Optimize operating costs
- Social et civic :
 - Decrease energy consumption
 - Reduce pollutant emissions
 - Support climate change and sustainable development
 - Enhance the city image
 - Boost the territory attractiveness



Wi6LABS

Connect the world of things

Wi6Labs ecosystem

Partners



References



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