

PRODUCT OVERVIEW

Spatium Platform is our smart parking management platform. It allows remote monitoring and control of various parking spaces. It is an integral part of a complete IoT platform solution for smart cities, composed of several business applications which allow, among other things:

- Smart parking management
- Environmental monitoring
- Waste management
- Street lighting control and monitoring solution

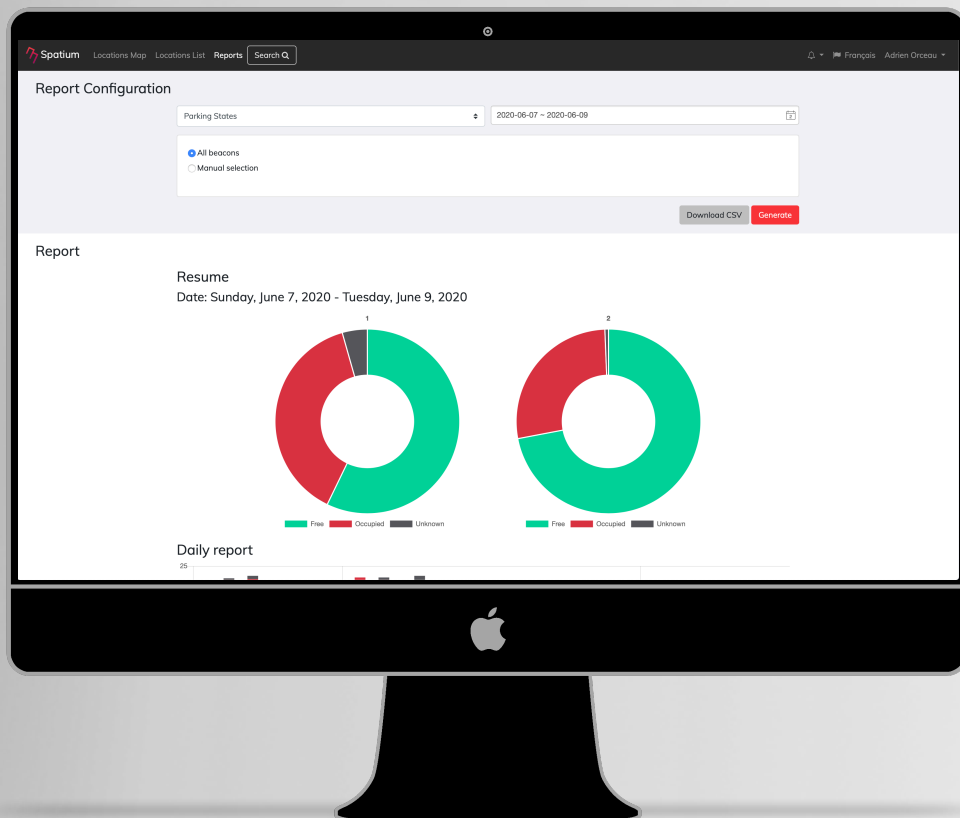
Spatium Platform provides the means to perform essential tasks to the management of a large number of intelligent curb side or parking lot (indoor or outdoor), including:

- Automatic provisioning to an unlimited number of connected sensors, actuators and other devices (no need for programming skills to establish these connections)
- Connection (using open APIs) to other applications, such as citizen interfaces, to improve the quality of the data received and the information given
- Security management to ensure data and network security

With a solution you can count on and a full integration with Dimonoff's smart cities applications, Spatium Platform takes advantage of the emergence of various IoT application, by creating the foundations for a scalable communication network architecture and allowing progressive integration of additional smart sensors and services, for the benefit of citizens.

KEY FEATURES

- Intuitive web interface for remote configuration, monitoring, control and reporting
- Better understanding of the operation of parking lots and dynamic management of reservations
- Interoperable platform (compatible with multiple communication networks and connected objects)
- Full integration with a wide variety of sensors and smart objects as well as their assets, thanks to the different interoperable Dimonoff's smart city applications (e.g. intelligent lighting control in indoor parking lots for energy savings)
- Simultaneous and secure access by different users with configurable access levels and privileges
- Live access to the latest data for the most precise information
- Complete and customizable reporting capacity to best meet your needs
- On map graphical interface allowing display, configuration, control and monitoring of all the devices in real time, as well as complete management with fast alerts as soon as anomalies are detected
- Assisted self-commissioning allowing a plug & play solution

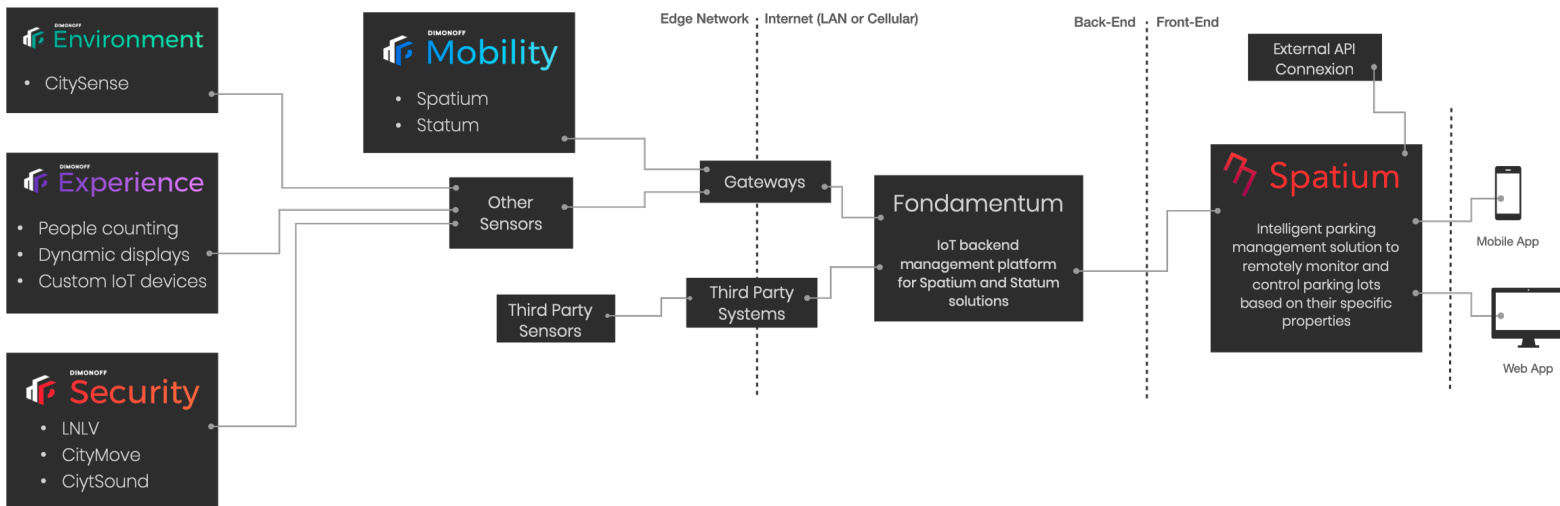


MONITORING & DATA VISUALISATION

- Live parking availability
- Parking rotation statistics
- Average time spent on parking spot
- Private parking lots entries and exits counts
- Reservation management
- Parking revenues (including reservation revenues)
- Sensors provisioning, alerts and reports
- System's health alerts and reporting
- Custom reporting according to your needs
- Special parking access control. Ex: Automated license plate recognition, car counting, etc.

NETWORK ARCHITECTURE

The network architecture of Spatium is as shown below:



SaaS ON CLOUD DEPLOYMENT

Spatium is hosted on a virtual machine run by a cloud provider. Hosting can be done by any cloud server supporting Linux. Possibility of choosing the specific geographic location for storing data on servers all over the world.

Cloud deployment also allows redundancy of the system and therefore greatly improved full-time availability.

OTHER TECHNICAL NOTES

- To use Dimonoff | SCMS Lite, internet connection is required
- Maps used in plan mode use Google Maps by default
- Compatible browsers are: Edge, Chrome 50+, Firefox 12+, Chrome for Android, Safari 7+