



# Electric vehicles charging points



## Make the transition to clean transport

It is a 21st century priority to fight against the atmospheric pollution and engage the city in the **energy transition**. This is why Citelum has developed a service of **charging points** to support the development of **electric vehicles** and answer to the **mobility needs** of the city.

Citelum, thanks to its experience in the **city**, guarantees a **quick and optimized display** of a network of charging points in the streets that answer to the needs of the citizens as well as any other passing by driver.

### You wish to:

- Offer citizens alternative transport solutions
- Privilege the multimodality and soft/green transports
- Reduce the atmospheric or noise pollution
- To bring up and turn green the image of the city
- Improve urban attractiveness and tourism

### Why do we need to equip the streets with electric vehicles charging points?

- Because electric car owners do not always have the possibility to install them at home.
- Because the additional cost that the installation of a charging point represents a check to potential buyers of electric cars.
- Because drivers want to have a sufficient charging point network to ensure their journeys.

### Did you know?

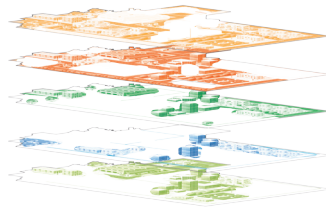
Electric cars have an average autonomy of **200 kilometers** in urban

In Europe, **87%** of the trips are **less than 60 kilometers** distance

A **boost charge** needs between **20** and **30** minutes



# How do electrical vehicles charging points work?



## City analysis:

- Analysis of transport and pedestrian flows
- Determination of user needs and places of interest (business area, residents area, touristic area, citycentre, outskirts, etc.)
- Definition of associated economic balance



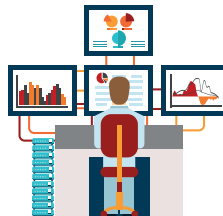
## Material choice and supply:

- Installation of different types of charging points:
  - normal charge (6 to 8h)
  - accelerated charge (1 to 3h)
  - fast charge (<30 minutes)



## Equipment, Operation and Maintenance:

- Installation of charging points according to the already defined deployment
- Technical management of the parking and payment systems
- Possibility of supplying and managing the energy
- Equipment maintenance



## Supervision with MUSE®:

- Real time supervision, control and diagnosis of all the equipment and services
- Data analysis

For the citizens:



- Real time guidance towards the available charging points
- Smart charging management
- Simple and quick payment

For the municipality:



- Follow up of the service by the city
- Evaluation of the obtained results

- Easier urban transport
- More accessible, attractive and green city

- Transparency and budget control
- Communication towards citizens
- Promotion of a more modern and ecological city