



MUSE®: the collaborative urban space management platform



Centralized management of urban space

Thanks to **new technological developments**, cities now offer many services that materialize in new electric urban infrastructure such as charging stations for electric vehicles, public lighting, CCTV, etc.

To help cities **control** all of the **connected fleet**, MUSE® software developed by Citelum:

- review the existing infrastructure thanks to its **geolocation, map and referencing** service
- **centrally** support the **operation** and **maintenance** of all electrical equipment
- **collect** and **share data generated** by these facilities

You wish to:

- Get an accurate inventory of all the electrical equipment and associated networks (location, composition and operational state)
- Plan and organize interventions on the ground
- Increase the responsiveness of the teams
- Make maintenance and energy savings
- Have clear and relevant performance indicators

The MUSE® platform by Citelum:

- Different access portals: for technical services, intervention teams, citizens
- Inventory and management of the city's infrastructure
- Detection, monitoring and trouble-shooting of electrical equipment (Computerized Maintenance Management System)
- Organization and planning of works and maintenance

Did you know?

In 2019, the **geolocation of networks** will be **compulsory***

In 2020, between **26 and 50 billion devices** will be **connected** worldwide

In 2020, **27% of the available data** will come from **connected objects** (appliances, watches, etc.)

* Reform regarding the prevention of damaged networks, passed in 2010 as part of the Grenelle 2 law (France)



How does Muse® work?

MUSE®

MUSE®

- Configuration of the software by Citelum teams
- Training of the city teams



Management of the city heritage

- Detailed inventory of electrical equipment and associated networks (mapping, composition and operational state)
- Automatic update of the database after each intervention



Support for monitoring and services operation

- Monitoring and tracing of ground interventions
- Edition of activity reports, indicators and dashboards

Optimization of maintenance

- Planning and control of preventive and curative maintenance interventions
- Access to historical changes

- Precise knowledge of equipment
- Legislation compliance

- Reduced maintenance costs
- Better reactivity of the city agents
- Greater equipment availability

- Costs control (energy)
- Improvement of citizens' comfort
- Communication towards citizens



Smart City platform

- Centralization, hosting and data sharing with technical services
- Communication of key figures to citizens
- Global data opening

MUSE® : one software, three interfaces

MUSE® Desktop

Software configuration interface shared between Citelum and the city:

- Quick and easy access via internet
- Mapping and detailed patrimony data
- Real-time monitoring of failures
- Consultation and edition of operation reports
- ...

MUSE® Web

Tracking interface for the elected officials and fault reporting interface for citizens:

- Creation of alerts
- Management of preventive and curative maintenance
- Works management
- Indicators and dashboards
- ...

MUSE® Mobile

Tracking interface for works and history consultation:

- Reports entry
- Network display
- Real-time traffic information display
- Base map display (road, aerial, hybrid or none)
- ...