



MONTPELLIER



FRANCE
URBAINE
MÉTROPOLES, AGGLOS ET GRANDES VILLES

SMART CITY – INVENTING TOMORROW'S SERVICES

By working day-to-day with the territory's players to invent its own Smart City project, Montpellier is anticipating and building the digital city, prioritising economic development, adaptation to climate change, innovation and future talents.



KEY FIGURES FOR THE TERRITORY

- 458,000 inhabitants, of whom 43% are under 30 years old
- Biggest demographic growth rate among French metropolises
- 72,000 students, of whom 15% come from outside France
- 7th biggest city in France with 8,000 new residents/year
- 2nd in the 2018 world top business incubator ranking (UBI Global)
- 1st place in the Shanghai Global Ranking of Academic Subjects 2018 for ecology

In partnership with businesses, universities, research bodies and state-run operators, Montpellier Metropolis is drawing on digital solutions to improve services and applications available to its citizens and users, foster a better quality of life and accelerate the energy and ecological transitions, while guaranteeing individual freedoms:

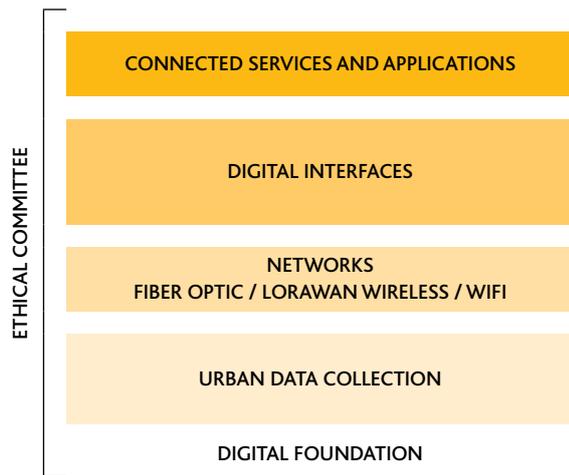
- > 40 projects under way,
- more than 10 application fields: housing, health, energy, waste, mobility, tourism, logistics, culture, risk management, citizen consultation, air quality,
- 1,015 data sets covering 13 themes (equipment, transport, sports, economy, tourism and heritage, citizenship, health, environment, urban planning, culture, finance and administration).

A digital foundation for the Smart City

A global approach with an urban ICT platform capable of incorporating data from a variety of urban management fields.

The metropolis has established a complete digital architecture, capable of integrating all types of data in order to develop this supervision tool, which is then used to provide information from communicating equipment via dashboards, aimed at 3 categories of users: the operator, functional divisions and citizens for their day-to-day usages. This reporting tool thus acts as an observatory for the territory.

SMART CITY STRUCTURE IN MONTPELLIER



3M has rolled out its own LoRa network, made up of antennas. All communicating objects connected to the LoRa network send information back to the same place in the Metropolis' servers, the role of which is to combine and store data. It is a big data database, the strategic heart of the Smart City.

It is an infrastructure and open solution for the management of connected objects based on standards, fostering interoperability between all communicating elements (collected objects, connectivity gateways, management platform). This technology is used for the deployment of a connected object infrastructure operated entirely by the Metropolis. The Metropolis is currently working on innovative usage scenarios with various partners: smart car parks, building energy management, people recognition in public transport, traffic management, street lighting management, pollution measurement, household waste management, flood monitoring, bicycle tracking, etc. The potential uses are unlimited.

The founding principles of the Smart City

- Structured public urban data policy,
- Built through partnership and collaboration, the Smart City will emerge without technological dependence,
- A non-proprietary, open and interoperable ICT platform,
- Citizen participation mode encouraged ,
- Organisational, cross-functional and agile process.

Mon Cap Santé, the health component of the Smart City

Digital solutions dedicated to elderly residents of Montpellier Metropolis, to keep them healthy.

The consortium made up of Montpellier Méditerranée Métropolis, the e-health University Chair, the Montpellier CCAS [municipal social action centre] and KYomed INNOV are developing "Mon Cap Santé", the aims of which are to gather data from as many citizens as possible relating to unmet health needs, to rank these needs in terms of priorities for the population, to roll out pilot solutions for older residents - and their families - and ensure the long-term provision of these validated solutions, to promote ageing well.

Citizens are actively involved throughout the project, from the definition of needs through to the roll-out of appropriate, long-term solutions.

Mon Cap Santé in figures: Multiple surveys and interviews, 6 health themes, 6 citizen consultations with contributions from 250 people, 50 needs identified, 17 expert interviews, 3 themes selected, 2 to 4 needs selected, 1 call for projects, 2 winning companies, 3 digital solutions

Following these citizen consultations, 3 priorities were retained for the call for projects launched by the consortium:

- Mobility for everyone to stay healthy,
- From coordination concerning the patient (disease/condition) to coordination concerning the person (quality of life),
- From acceptance of change to adaptation of the environment to enable people to stay in their own homes longer.



Two innovative solutions identified and two currently being tested:

- The **FACILIGO** solution, a collaboration-oriented web travel platform. You can publish your journeys (train, plane, bus, car or on foot) and offer to take along somebody making the same journey or, alternatively, you may need to be taken to the dentist and you ask the community for help.
- **LiliSmart** has developed 2 solutions: the first assembles functions such as a digital contact log, which can be used to coordinate people, mainly professionals, looking after or interacting with the elderly. The second offers activities to stimulate and protect elderly people and help them remain independent at home for as long as possible.

This approach whereby citizens play a role in the decision-making process has made it possible to propose solutions matching user expectations, test the economic model and hence the long-term viability of these solutions and construct a methodology that can be rolled out in other agglomerations or cities.