Paris2Connect
Inventer la ville de demain

Press release

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Paris2Connect unveils six ambitious use cases for the city of tomorrow and launches a call for experimentation

Paris2Connect, an innovative project, initiated in late 2018, aims to demonstrate how a shared urban digital infrastructure can meet the growing needs of the Smart City, connectivity and autonomous mobility, in an inclusive and environmentally friendly way. To achieve this, the players in the consortium (ATC France, Aximum, Nokia, RATP Group, Signify), in close collaboration with the City of Paris, are unveiling the 6 first use cases and launching a call for experimentation

Six ambitious use cases

After announcing the launch of its smart street furniture infrastructure in the first half of 2021, Paris2Connect unveils today its first six use cases.

1) Use of data for land management with three specific observatories, led by three entities
   - Video-based mobility observatory : ParkingMap

With three sensors installed on Quai de la gare, Paris2Connect performs a real-time analysis of traffic flows on the boulevard. These analyses allow a better understanding of the use of the roadway, possible malfunctions or alerts in case of congestion of the intersection.

   - Mobility observatory on acoustic basis: Securaxis

Paris2Connect wants to transform sound into information to study traffic and the resulting environmental impact. With two sensors installed in each direction of traffic Quai d'Austerlitz, it is now possible to detect specific sounds in an environment (electric or thermal vehicles), to provide alerts (exceeding sound thresholds) and analysis through acoustics (sound footprint of two wheels).

- The wave observatory: <u>Free</u>

Through electromagnetic field sensors, Paris2Connect will be able to monitor the population's exposure to electromagnetic fields. The eight sensors installed along the route, distributed in the 12th and 13th districts, perform between 10 and 20 measurements daily.

2) Using data for autonomous transport services

Illustration of the first uses of the data collected for the supervision of autonomous mobility services: detection of events on the route (crowds, obstacles, traffic jams, special vehicles).

3) Using connectivity for autonomous urban logistics

The purpose of the droid's experimentation <u>Twinswheel from Soben</u> is to demonstrate the reliability of the autonomous mode, with an operator able to intervene remotely, thanks to the 4G and later 5G network. The autonomous driving mode is made possible thanks to pre-built maps and pre-established virtual routes. The experiment also includes simulations of hazards on the droid's trajectory requiring the operator's intervention. The goal is to clearly establish the safety of the movement and the controllability of the droid if necessary.

4) Demonstration of connectivity for traffic priority management

Technically upgraded, traffic light junctions can now receive messages from priority vehicles and thus integrate the information into the traffic light plan. These tests should make it possible to better manage flows by prioritizing emergency vehicles. With the Paris 2024 Olympic Games in mind, these tests are all the more important.

A call for experimentation open until November 26

Any start-up or company wishing to experiment its solution in real conditions in Paris can apply. It will benefit from an immediately operational environment to experiment but also from a one-stop shop with the City and Paris2Connect for all technical, regulatory and administrative procedures. This scheme aims to accelerate the development of innovative solutions for the Parisian territory.

They will be provided with data and connectivity on a 3.5 km route in the heart of Paris. The call for experimentation is open until November 26, with a first selection starting on October 29, available on the following link: https://paris2connect.agorize.com

With Paris2Connect, the various players in the consortium (ATC France, Aximum, Nokia, RATP Group, Signify), in close collaboration with the City of Paris, wish to respond to the multiple challenges of the city of tomorrow: a more resilient and sustainable city at the service of the community, paving the way for a more virtuous urban future and responding to environmental issues

About ATC France
ATC France, a subsidiary of the world leader American Tower Corporation (NYSE: AMT), is a telecom infrastructure operator (Tower Co). The company's mission is to make wireless communication possible throughout France. It operates more than 3,300 sites in France, with over 6,000 customer hosting contracts. For ATC France, like the ATC group, diversity is a strong axis of the HR policy, reinforced, in particular, by obtaining in 2021 an index of 91/100 in terms of equal pay for men and women. More information: www.atcfrance.fr

About Aximum
Aximum, a Colas subsidiary, is a global operator in safe mobility. It designs, develops and installs solutions that protect the environment and contribute to safe mobility.
"As a solutions integrator and equipment supplier, the Aximum cluster puts its industrial expertise, its capacity for innovation and its know-how at the service of an intelligent and evolving city by understanding the challenges of the present and imagining those of the future. Aximum ITS preserves the comfort and safety of users in all circumstances thanks to innovative solutions for optimizing infrastructures " Didier Panaroni - Aximum ITS Development Director.

About Nokia
Nokia creates the technologies that help the world work together.
As a trusted partner for mission-critical networks, we are committed to innovation and technology leadership for mobile, fixed and cloud networks. We create value through intellectual property and long-term research, led by the award-winning Nokia Bell Labs.
By adhering to the highest standards of integrity and safety, we are helping to build the capacity for a more productive, sustainable and inclusive world.

About the RATP group
With eight modes of transport operating in 13 countries, the RATP group is the world's third largest urban mobility operator. The Group is also present throughout the new mobility chain, in partnership with other modes (autonomous shuttle, self-service electric scooter, carpooling, carsharing, intelligent and connected car parks). Through its 63,000 employees, the RATP group designs, implements and brings to life on a daily basis shared mobility solutions and innovative urban services for a more sustainable and more human city.

About Signify
Signify (Euronext: LIGHT) is the global leader in business and consumer lighting and lighting for the Internet of Things. Our Philips products, Interact connected lighting systems and data-driven services, add value to businesses while transforming lives in homes, buildings and public spaces. With sales of €6.5 billion in 2020, we have around 39,000 employees and operate in more than 70 countries. We harness the extraordinary potential of light for brighter lives and a better world. We achieved carbon neutrality in 2020, have been listed in the Dow Jones Sustainability World Index since our IPO for four consecutive years and were named an industry leader in 2017, 2018 and 2019.

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