

Press release

Lyon, November 30, 2016

Smart-Cities

Veolia unifies ecosystems for smart cities

At the Pollutec trade exhibition in Lyon (France), Veolia announced the creation of ecosystems designed to help smart cities develop.

Organize increasingly complex infrastructure for a growing population in a world with dwindling resources: such is the challenge that smart cities must tackle.

Veolia, a worldwide reference for the optimized management of resources, provides local authorities with **Urban X**, the most comprehensive range of digital solutions designed to assist them in successfully pulling off this challenge.

These solutions, **Urban Board**, **Urban Namics** (including WaterNamics for water cycle infrastructure), and **Urban Pulse** have been designed respectively for elected officials and city managers to track the operation of their urban infrastructure and citizens' perceptions; to help technicians and managers manage their infrastructure; and finally for citizens and visitors to make their lives easier and involve them in the local circular economy.

Cities by their very essence pool highly diverse expertise. Veolia's digital solutions reflect the variety of stakeholders involved and allow for the organization of ecosystems of partners tailored to each purpose.

Urban Board is the first dashboard that contextualizes urban infrastructure performance and citizens' perceptions. It compiles its information through partnerships with **Breezometer**, an air quality analysis company, for geolocated monitoring of outdoor air quality, and with **LACROIX City**, a business unit of the **LACROIX Group** for smart public lighting. With **Sopra Steria**, the aim is to make regions economically more attractive, for example by creating Bordeaux Metro Pulse and TuBa Lyon—two collective innovation hubs—to trial new ideas for services on a large scale. This project goes further with **Huawei's** camera surveillance systems for the protection of public spaces.

The WaterNamics water network hypervision system, designed in partnership with **IBM**, helps optimize water networks by collating data from numerous sensors and partners, such as **LACROIX Sofrel** for remote-management data, and **Gutermann** for constant water network surveillance and automatic leak detection and location.

Urban Pulse is an app to engage citizens and make city living easier. It includes some 200 partners, the most recent of whom come from the collaborative economy. The **Zenpark** startup, France's first network of automated shared parking spaces, allows the public to use vacant private parking spaces at a price that defies all competition; **Citylity** enables residents to contact their building manager (management agent or landlord) to provide information or report any incidents, and to create social ties with the building or neighborhood's other residents; **BreezoMeter** shares air pollution data so that citizens can reduce their exposure; **Neo-Nomade** is used to identify and reserve flexible workspaces, especially for co-working; **VoulezVousDiner** is an app for organizing dinners at home between locals and tourists; and the local currency **SoNantes** promotes its member retailers to encourage short economic circuits.

Unifying ecosystems is the cornerstone of the digital economy, and Veolia, with its partners, is demonstrating its ongoing commitment to helping cities manage their growing complexity for the wellbeing of their residents, and to developing the circular economy.

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Veolia group is the global leader in optimized resource management. With over 174 000 employees worldwide, the Group designs and provides water, waste and energy management solutions that contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and to replenish them. In 2015, the Veolia group supplied 100 million people with drinking water and 63 million people with wastewater service, produced 63 million megawatt hours of energy and converted 42.9 million metric tons of waste into new materials and energy. Veolia Environnement (listed on Paris Euronext: VIE) recorded consolidated revenue of €25 billion (\$30.3 billion) in 2015. www.veolia.com

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