

Press release

Lille, October 10, 2016

France – Water

The European Metropolis of Lille (MEL) is introducing Vig'iléo, Veolia's latest hypervision center, to run the water service of the future.

Instant user information, streamlined technical work, water-resource preservation, prompt response in the event of bacterial contamination in the network, more transparency and enhanced performance are the main features that Vig'iléo aims to deliver. This smart center is monitoring France's fourth-largest drinking water network in real time.



Vig'iléo, the high-tech management center for water.

Vig'iléo is a hypervision center that synthesizes all the information it receives from software systems, staff smartphones, field sensors, users and other sources on a single interface. It cross-references information about the quality of water, the network, leak alerts and fleet-vehicle movements providing a 360° vision of the water service in the metropolis.

An innovative mapping tool delivers enables non-stop central monitoring of the network's activity and manages field operations more efficiently.

Vig'ileo will have over 1,000 mobile sensors spanning the 4,300-kilometer network by end-2017, and is concurrently setting up a program to locate leaks. The goal is to build a fully functional network to

meet MEL's performance target (raising the bar from 80% to 85% by 2024), and thereby levy less water from the natural surroundings.

To meet the initiative's governance and transparency goals, MEL offices can access the data generated by Vig'iléo under the public-service delegation contract with iléo, the Veolia subsidiary serving the Metropolis' inhabitants. This way, MEL offices can contribute to running the center and monitor technical repair work in real time.

With Vig'iléo, Veolia is introducing the water service of the future in the European Metropolis of Lille

This management center is the third Veolia has developed around the world, and uses cutting-edge smart-city technologies.

Vig'iléo is a variant on Veolia's Smart Water Box. Veolia developed this system in partnership with IBM, and it features state-of-the-art digital technology including sensors, the Internet of Things, Big Data, data security, result visualization, and citizen participation and interaction.

Processing water and sewerage data helps to enhance performance and service quality, manage crises and share information with stakeholders.

"This innovative management approach is transparent, the technology is particularly efficient, and the system is inclusive from a social perspective. It is the single most vital tool for the water services of the future," says Veolia Chairman and CEO Antoine Frérot.

The European Metropolis of Lille: a connected and sustainable community

Vig'iléo is bringing the European Metropolis of Lille one step closer to becoming a connected and sustainable community. *"With Vig'iléo, we will be able to monitor our network very precisely. It is one of the largest in France. And it is opening up new options to manage equipment in light of energy requirements more smartly in the future,"* adds European Metropolis of Lille President Damien Castelain.

For several years now, this metropolis has been striving to build a sustainable community (spanning 85 communes, home to 1,100,000 people). This summer, it was awarded the national call for projects on smart electric grids (Réseaux Electriques Intelligents/REI) with its So Mel So Connected program. The goal is to support efforts to roll out trailblazing solutions to optimize utility management and usage. Over time, this will make electric grids more flexible and help to blend in renewable energies while managing energy demand.

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About [MEL](#)

The [European Metropolis of Lille](#) serves its 1.1 million people in its 85 communes on a daily basis. It has authority over essential areas such as its economy, public areas and roads, urban planning and development, city policy, water, sewerage, household waste, access for people with disabilities, natural and living surroundings, culture, sport, tourism and crematoriums. Its Council, which Damien Castelain has presided over since April 18, 2014, has 179 members elected through direct universal suffrage for 6-year terms.

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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