



Press release
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Angers Loire Métropole "Smart region": a new phase begins!

The consortium managed by ENGIE Solutions, a brand of the ENGIE Group which is a leader in the zero-carbon transition, alongside SUEZ, La Poste and the VYV Group, has kicked off in the Angers Loire Métropole with the creation of an all-new, 3D digital twin, in other words, a geographic digital replica of the region. This high-tech creation is intended for viewing project progress in real time to ensure things are running smoothly and to optimise urban services. Objective: to step up the environmental transition while generating savings for the local authority.

In order to transform the Angers Loire Métropole urban area into a model French smart region for its citizens, the ENGIE consortium managed by ENGIE Solutions is developing, alongside SUEZ, La Poste and the VYV Group, innovative solutions in close consultation with the local authority, its partners, local companies and citizens.

The objective is to use digital technology and innovation to step up the region's environmental transition and improve its attractiveness, optimise the organisation of public services and make the management of resources more efficient, as well as to ease and improve the daily lives of the region's citizens.

To meet this objective, the ENGIE consortium is using its skills to take into account the needs identified by and with the area's departments and policy-makers, and is putting in place communicating infrastructure in order to improve the management of public services and their relations with users.

A realistic modelling of the Angers Loire Métropole

A genuine 3D replica of this ambitious project, the all-new digital twin of the Angers Loire Métropole will be a great asset for optimising the performance of the smart region project while also supporting every stage of its development.

The images used to create this digital replica of the city will be taken in the coming days, kick starting this project to jointly build a one-of-a-kind smart and carbon-neutral region. It will take 4 to 5 days and a total of twenty hours to produce the images which will then be used to create a highly detailed 3D model of the entire Angers Loire Métropole, which covers 666 km² spread over 29 municipalities. SIRADEL, a subsidiary of the ENGIE Group and an expert in 3D modelling, infrastructure planning and in simulating the environmental impact of changes to the region, will be responsible for acquiring the aerial images in the coming days in order to produce this 3D model.

The 3D digital twin: an innovative decision tool

The world's latest technologies in aerial image acquisition will be used over the entire Angers Loire Métropole region. The digital twin will serve as a shared baseline that will be particularly useful for:

- objectively studying different urban development scenarios, by simulating the impact that, for example, new infrastructure might have on energy consumption, pollution and transport;
- aiding decision-making by elected representatives, paving the way for genuine joint-construction between departments and easing communication, particularly in public consultation meetings.

Press contacts:

ENGIE Solutions : Cécile de Bentzmann – 06 03 18 97 73 – cecile.de-bentzmann@engie.com

Siradel : Laura Delanoé – Responsable Communication – ldelano@siradel.com

About ENGIE Solutions

ENGIE Solutions supports cities, industries and tertiary sector companies by providing them with answers to the challenge of the energy transition through turnkey and tailor-made solutions.

ENGIE Solutions' experts bring all their know-how to bear on achieving three goals: optimising the use of energy and resources, greening energy, and reinventing living and working environments.

ENGIE Solutions is the promise of a single point of contact and a combination of complementary services that extend beyond energy. The company is committed to achieving results and its 50,000 employees which operate throughout France (900 sites) have expertise in a diverse number of areas, ranging from design to operation of infrastructure and services, to funding, installation and maintenance.

ENGIE Solutions is part of the ENGIE group, a global leader in low-carbon energy and services whose ambition is to become the leader in the zero-carbon transition.

Turnover: €10 billion

For further information: <http://www.engie-solutions.com>



About SIRADEL

Having developed thousands of 3D digital twins of cities and regions in more than 60 countries, SIRADEL, a subsidiary of the ENGIE Group, produces 3D data and publishes 3D visualisation and simulation platforms to support public and private stakeholders in the joint development of more sustainable, connected, resilient and attractive regions.

For further information: <https://www.siradel.com>



About SUEZ

With 90,000 staff on five continents, SUEZ is the world leader in the intelligent and sustainable management of resources. The Group provides water and waste management solutions that enable cities and industries to optimise the management of their resources and improve their environmental and economic performance, in line with current regulations. Thanks to the potential of digital technologies and innovative solutions, the Group processes more than 45 million tonnes of waste a year and produces 4.4 million tonnes of secondary raw materials, as well as 7.7 TWh of local and renewable energy. It also preserves water resources, by supplying 66 million citizens with waste water services and reusing 1.1 billion m³ of waste water. In 2018, SUEZ posted a turnover of 17.3 billion euros.

About La Poste

A public-owned limited company, the La Poste Group is structured around five core business units: Parcels and Mail Services, La Banque Postale, Réseau La Poste, GeoPost, Digital. The Group is present in more than 40 countries on 4 continents. Every day, La Poste's 17,000 points of contact, the biggest local sales network in France, receives 1.6 million customers. La Poste distributes 23.265 billion objects a year around the world (letters, flyers and parcels), six days a week. In 2016, the Group achieved a turnover of 23.294 billion euros, 22.4% of which was from abroad, and employs more than 250 000 staff. In its strategic plan "La Poste 2020: conquérir l'avenir", La Poste set itself the objective of stepping up its transformation by expanding into new regions. With the goal of becoming the leading provider local human services, for everyone, everywhere, every day, La Poste is committed to making life simpler.

Docaposte, its digital subsidiary supports all organisations in their digital transformation and is enabling them to speed this up with confidence. Docaposte has more than 5,000 staff across some 60 sites in France and abroad and achieved a turnover of approximately €530 million in 2018.

About VYV Group

The VYV Group (Chorum, Harmonie Fonction Publique, Harmonie Mutuelle, MGEFI, MGEN, Mutuelle Mare-Gaillard, Mutuelle Nationale Territoriale, SMACL Assurances) is the leading health and social protection mutualist group in France.

Around its four core businesses (insurance, healthcare, services and housing), the VYV Group develops comprehensive and tailored services to support and protect all individuals at every stage of life.

Created in 2017, the VYV Group strives daily to provide a useful service to every individual. All of the components of the Group protect 11 million people within its ecosystem and propose applicable solutions to more than 88,000 public and private employers. The VYV Group is innovating and anticipating to build a more equitable and socially responsible society. The VYV Group has close ties with the city of Angers due to the historic presence of Harmonie Mutuelle which insures the urban authority's agents and covers nearly 30% of the Angers population, and via VYV 3 Pays de la Loire which manages a number of health services and establishments and has more than 1,500 employees in the city (largest private employer). The VYV Group is also one of the city's partners in experimenting with technological and digital initiatives, particularly for sport and health projects.