



Press release
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Angers Loire Métropole: the ENGIE consortium has been selected to help create France's first “smart region”

To lead the way in French smart regions, Angers Loire Métropole has selected the consortium managed by ENGIE Solutions, a brand owned by the Group leading the zero-carbon transition, alongside SUEZ, La Poste and the VYV Group.

Starting in January 2020, teams from ENGIE Solutions, SUEZ, La Poste and the VYV Group will develop innovative solutions, working closely alongside the local community, its partners, local companies and residents. The aim is to use digital technologies to speed up the region's energy transition, enhance its appeal, optimise the way in which public services are structured and manage resources more efficiently, thus improving and facilitating the day-to-day lives of residents.

Thanks to the complementarity of ENGIE consortium's areas of expertise, – and by installing sensors and undertaking renovation work – the amount of energy used for public lighting should be reduced by 66% by 2025. Furthermore, energy consumption in the town's public buildings should be reduced by 20%, traffic should run more smoothly and more easily, and the quantities of water used for watering municipal plants and trees should be reduced by 30%.

Angers Loire Métropole, leading the digital and electronic transition of the future

With 7000 jobs and 900 companies generating turnover of some €1.3 billion in electronic and digital technologies, Angers Loire Métropole (ALM) was awarded the French Tech label in 2015. The urban community's economic and cultural dynamism, together with the high quality of life enjoyed by its residents, make it an appealing region. To enhance the everyday lives of residents, to make it easier, smarter and more harmonious, ALM accelerates its transformation into a smart region. By entrusting the ENGIE consortium with this task, the urban community is reasserting its desire to commit to the zero-carbon transition, ensuring a more virtuous form of development.

The consortium spearheaded by ENGIE Solutions will densely cover the whole region with its unique understanding of the local fabric, ensuring that its teams are always ready to be mobilised.

A smart region serving residents: interactivity and cross-functional solutions

The consortium will create infrastructure components able to communicate with one another, to improve public services and their accessibility, as well as reducing the urban community's environmental footprint and generating energy savings in all areas of day-to-day life.

At the heart of the project, **ENGIE Solutions** will deploy LIVIN', the hypervisor platform that provides public services with all the information they need to optimise public lighting, video-protection, water and drainage services, together with the management of green spaces, healthcare, buildings, mobility and waste disposal. Furthermore, the platform will also provide 3D representations (digital twins of the region) so that decision-makers can take decisions based on relevant scenarios.

In concrete terms, once the current energy-guzzling lighting systems have been replaced by LEDs, the platform can be used to enhance the performance of lighting units by having them triggered when a pedestrian or car passes. Sensors integrated into urban furniture (lighting systems, public buildings, signage, etc.) will keep residents and local authority's services informed via an application, providing information about the availability of parking spaces, any accidents or damage to the water networks, etc. The benefits will include traffic that runs more smoothly, time and energy savings and increased security.

To continue with this approach underpinned by a commitment to environmental excellence initiated by the urban community, **SUEZ** will supplement the existing tools (sensors, smart water meters, etc.) so as to optimise the performance of water, drainage, waste management and cleaning services, as well as the way in which green spaces are managed. As a result, water quality can be managed in real time, fly-tipping will be reduced and waste collection operations can be optimised.

Operating via its subsidiary Docaposte, **LA POSTE** will provide its expertise as a trusted digital third party. It will be tasked with storing and archiving the data generated by the smart city's operation. Hosted in France on servers owned by Docaposte and operated by its teams, this anonymized data will remain the local authority's property.

With its experience in local services, La Poste will give a human face to the smart city's new features and functions to ensure that as many people as possible make use of them. La Poste will also provide its expertise in urban logistics, helping to reduce congestion in the town centre and improve quality-of-life for residents by ensuring that transport services run more smoothly.

As Angers' leading private employer, the **VYV Group** will be in charge of deploying the health/well-being component. It will run these services by managing healthcare data on "E-PIC", a trusted digital platform, alongside the hypervisor platform implemented by ENGIE. The local authority will also have access to a set of services provided by the other members of the consortium, to support in particular vulnerable people and ensuring that they are able to remain at home. This platform will list all the services designed to optimise people's access to healthcare.

Subcontractors will also be involved in the delivery of these services: **LACROIX Group** for smart connected equipment and **Onepoint** for its expertise in smart city strategies, green growth and in the digital transformation for public stakeholders.

Ongoing dialogue with residents

Turning Angers Loire Métropole into a smart region also involves improving the way in which projects are managed by adopting a co-development approach with stakeholders. The ENGIE consortium is a firm believer in this and – in line with the approach long adopted by Angers Loire Métropole – suggests investing in the creation of a Forum in Angers. This would be a fully-fledged forum for creating the services of the future for the smart region, showcasing regional initiatives and sharing examples of best practice with other local authorities. Residents will be able to understand what the smart region is within the framework of this Forum. The ENGIE consortium and Angers Loire Métropole will be able to use it to provide other French local authorities and international delegations with demonstrations.

With this proposed smart region, the ENGIE consortium is helping Angers Loire Métropole to become a forerunner in regional intelligence for everybody's benefit.

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About Angers Loire Métropole

At around 1h30 from Paris, right in the heart of the Loire Valley, the Angers urban community is an economically and culturally dynamic region which offers a high quality of life, making it a particularly attractive area in which to live. The presence of Végépolys, a global agricultural technology hub, and of numerous electronics and digital technology companies is evidence of its enduring entrepreneurial ethos.

With more than 42,000 students, Angers Loire Métropole offers a varied range of training options, geared towards research and innovation. Made up of 29 communes, the urban community is home to some 290,000 residents, making it one of the largest in western France, with Angers its main city.

About ENGIE

We are a leading world group that provides low-carbon energy and services. To tackle the climate emergency facing us all, our aim is to become the world leader in the zero-carbon energy transition "as a service" for our clients – particular for companies and regional authorities. We use our expertise in our key business areas (renewables, gas, services) to provide competitive and bespoke solutions.

With our 160,000 employees, our clients, our partners and our stakeholders, together we form a community of imaginative builders, striving every day to bring about a more harmonious form of progress.

Turnover in 2018: €60.6 billion The Group is listed on the Paris and Brussels stock exchanges (ENGI) and is represented in the main financial indices (CAC 40, DJ Euro Stoxx 50, Euronext 100, FTSE Eurotop 100, MSCI Europe) and non-financial indices (DJSI World, DJSI Europe and Euronext Vigeo Eiris - World 120, Eurozone 120, Europe 120, France 20, CAC 40 Governance).

ENGIE Solutions*

ENGIE Solutions is an umbrella brand bringing together ENGIE Ineo, ENGIE Axima, ENGIE Cofely and ENGIE Réseaux.

ENGIE Solutions employs 50,000 people in France, all with varied skills who can act together alongside towns, local authorities, industries and companies in the tertiary sector, providing them with the solutions they need to take up the challenge posed by the energy transition.

The way in which factories perform, how comfortable buildings are and the appeal of regions are central to ENGIE Solutions' value proposition, with a zero-carbon goal.

**The ENGIE Solutions brand will be completely effective as of 1 January 2020*

About SUEZ

With 90,000 employees on five continents, SUEZ is a world leader in smart and sustainable resource management. The Group supplies water and waste management services so that towns and industries can optimise the way in which they manage resources and improve their environmental and economic performance, in compliance with current regulations. Thanks to the potential of digital technologies and innovative solutions, the Group processes more than 45 million tonnes of waste per year and produces 4.4 million tonnes of secondary raw materials, as well as 7.7 TWh of local and renewable energy. It also helps to save water, providing 66 million residents with drainage services and reusing 1.1 billion m³ of wastewater. In 2018, SUEZ posted turnover of €17.3 billion.

About La Poste

A public-owned limited company, the La Poste Group is structured into five branches: Post and parcel services, La Banque postale, La Poste Network, GeoPost and Digital. The Group operates in more than 40 countries on four continents. Every day, the 17,000 contact points making up La Poste – the leading local commercial network in France – welcome some 1.6 million customers. La Poste distributes 23.265 billion items per year worldwide (letters, printed advertising and parcels), six days a week. In 2016, the Group recorded turnover of €23.294 billion, of which 22.4% internationally, and employed more than 250,000 workers. In its “La Poste 2020: Conquérir l’avenir” (La Poste 2020: Conquering the Future) strategic plan, La Poste has set itself the target of transforming itself by conquering new territories. La Poste is committed to simplifying people’s lives and wants to become the leading local service company, providing services for everyone, everywhere and every day.

Docaposte, its digital subsidiary, can provide any type of organisation with support in implementing its digital transformation, giving it the confidence it needs to speed it up. Docaposte has more than 5000 employees spread over 60 sites in France (as well as internationally) and posted turnover of nearly €530 million in 2018.

About the VYV Group

The VYV Group (Chorum, Harmonie Fonction Publique, Harmonie Mutuelle, MGEFI, MGEN, Mutuelle Mare-Gaillard, Mutuelle Nationale Territoriale, SMACL Assurances) is France’s leading mutual-benefit healthcare and welfare protection group. Operating in four key areas (insurance, healthcare, services and housing), the VYV Group delivers comprehensive and customised solutions designed to provide people with support and protection throughout their lives.

Founded in 2017, the VYV Group strives on a day-to-day basis to be of use to each and everyone. Together, the components making up the Group provide some 11 million people with protection across its whole ecosystem, with tailored solutions for more than 88,000 public and private employers. The VYV Group innovates and adopts a forward-thinking approach so as to build a fairer and more socially responsible society.

The VYV Group is firmly rooted in the town of Angers through the long-term presence of Harmonie Mutuelle which provides insurance for people working for the urban community and covers nearly 30% of the Angers population, and via 3 Pays de La Loire which manages numerous healthcare services and establishments and employs more than 1500 people across the urban area (leading private employer). The VYV Group is also one of the town’s partners, involved in testing digital and technology-based initiatives to do with sports and healthcare projects in particular.

About the sub-contractors



LACROIX Group is an international technological equipment supplier which aims to use its technical and industrial excellence to help create a connected and responsible world. As a listed SME company, the Group combines the agility that is essential for innovating in a constantly changing technological universe with the long-term vision required to invest and build the future.

LACROIX Group supplies the connected and secure equipment needed to manage the infrastructure making up the smart roadways (public lighting, traffic management and regulation, signalling and V2X) through LACROIX City, and to manage water and energy infrastructure via LACROIX Environnement.

onepoint.

Onepoint is the architect behind the major transformations that companies and public stakeholders undergo. It provides its clients with support from strategy to technological implementation, constantly striving to think beyond the obvious and operate in a way that is compatible with a green growth ethos, creating new ways of working, new economic models and new places. In a little over 15 years, it has become one of the major players in the digital transformation and employs 2300 people in Europe, Tunisia and in North America, as well as in the Asia-Pacific region.