



Press release

29 November 2019

## ENGIE supports the transformation of Vélizy-Villacoublay, a pioneering town in the zero-carbon transition

Today, Jean-Pierre Clamadieu, Chairman of the Board of Directors, Isabelle Kocher, CEO of the ENGIE Group and Pascal Thévenot, Mayor of Vélizy-Villacoublay presented the innovations and systems deployed by ENGIE Solutions throughout the town.

Increasing urbanization calls for local authorities to renew their vision on environmental and energy challenges, placing them at the heart of their action, covering all aspects of citizens' daily life. Mobility, public lighting, parking and energy production are among the challenges that they face to build a welcoming, sustainable town. ENGIE Solutions supports decision-makers to identify the most economical and ecological solutions to meet the needs of residents and public services.

Vélizy-Villacoublay council is aware of the challenges of the energy transition, and has chosen to rely on the wide range of recognized skills and expertise within ENGIE Solutions. This takes the form of several strategic projects that aim to reduce carbon emissions and optimize public service management, as well as promoting positive regional development.

[Click here to see all the ENGIE Solutions projects.](#)

### Technological and digital innovation, an essential driving force to make the town more attractive

Since February 2017, ENGIE Solutions has been operating a **9-year energy performance contract (EPC), which includes the operation and maintenance of 4,000 lighting installations which now use LEDs and 44 crossroad traffic lights.** Annual energy consumption will be reduced by 44% in the long-term, which represents over 1,000,000 KWh per year.

Since Vélizy-Villacoublay encourages **low-carbon mobility, ENGIE Solutions has installed electric charging terminals in three neighbourhoods,** each with a charging capacity of 36 KW. To improve traffic flow and facilitate parking, **the YOUPI application developed by ENGIE Solutions allows drivers to monitor available parking spaces in real time throughout the area.** Over 2,000 parking spaces are now equipped with sensors: the largest scale operation of its kind.

As part of a joint innovation partnership between the town and the Ile-de-France region, ENGIE Solutions has also proposed an **experiment to improve air quality in the classrooms and playground of the Exelmans infant school.** This project has won the "Innovation to improve air in public buildings" call for projects, awarded by the Ile-de-France region. During this 3-year experiment starting in 2020, over 100 young children and their teachers will benefit from sensors that provide information on air quality and innovative pollution control systems.

## Green, local energy, a showcase for the transition to a zero-carbon world

ENGIE Solutions also provides innovative technology to bolster the town's excellent energy policy. The company operates the local heating network which provides heating and domestic hot water for the equivalent of 15,000 housing units, over a distance of 19 km.

In October 2019, the partnership between Vélizy-Villacoublay and ENGIE Solutions, with support from the Ile-de-France region and ADEME, resulted in the creation of the **first S.A.S ENR (Simplified Joint-stock Company for Renewable Energy) in Ile-de-France, to develop geothermal energy in the region.** For 28 years, this company will provide heat for the Vélizy network and for local industrial firms, drawing water from underground to transform it into energy. Over 60% of the energy generated for the heating network will therefore be derived from renewables, providing heat with low environmental impact and ensuring stable heating prices for residents.

*"Vélizy-Villacoublay has always been a place for innovation, and Vélizy residents are mindful of their quality of life. Since 2014, we have initiated an urban renewal program that facilitates innovative forms of carbon-free mobility, as well as a raft of actions to foster biodiversity and the well-being of the town's residents. ENGIE Solutions is helping us to develop specific projects that meet our expectations, to make Vélizy-Villacoublay an exemplary sustainable town,"* declared Pascal Thévenot, Mayor of Vélizy-Villacoublay.

*"Towns and regions face many challenges. To ensure that their citizens enjoy a high quality of life, while remaining firmly committed to sustainable development, they must implement new technology and new methods of operation. At ENGIE, we are convinced that the only way to provide the best response to the challenges faced by local authorities is to pool our expertise, which we propose to do with ENGIE Solutions."* explained Isabelle Kocher, CEO of the ENGIE Group. *"More and more towns are now making a firm commitment to the energy and climate transition. This can be observed both in France, as is the case here in Vélizy, but also in many other countries. Providing towns with our support, skills and capacity for innovation, as well as drawing on the long-term close relationship that we have built with local authorities, is at the heart of ENGIE's strategy,"* stated Jean-Pierre Clamadieu, Chairman of the Board of Directors.

### In figures: ENGIE Solutions in Vélizy-Villacoublay

- 4,000 lighting installations operated and maintained
- 44 traffic lights operated and maintained
- 2,000 parking spaces equipped with sensors
- 1 YOUPI application to monitor parking spaces in real time
- 4 neighbourhoods equipped with electric charging terminals
- 19 km of heating network operated
- 18 MW of geothermal power
- 130 MW of installed power
- Geothermal energy: underground temperature between 50 and 95°C

### And also...

- 15,000 homes provided with heating and domestic hot water
- + 60% renewable energy for the heating network by 2022
- + 44% of energy savings on public lighting in the long-term

## 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).

#### **About 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, industrial firms and service companies, providing them with the solutions they need to take up the challenge of the energy transition.

Improving performance in factories, comfort in buildings and making regions more attractive 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 Vélizy-Villacoublay**

Vélizy-Villacoublay, located in the Yvelines region, is populated by 22,000 residents and 50,000 company employees; it is a dynamic, innovative, family-oriented town. To maintain its attractive image, the municipality lends its support to many experimental projects around the town, and pays particular attention to maintaining a high-quality environment. These include a Wind Tree, the removal of 20,000 m<sup>2</sup> of concrete to create an eco-district, and the development of electric vehicles. To ensure each resident's well-being and maintain their quality of life, Vélizy-Villacoublay takes special care of its parks and gardens. It is one of the three towns in the region to be awarded the "4 Flowers" label.

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