

## THE MAYOR OF MADRID OPENS THE LARGEST PHOTOVOLTAIC PLANT IN THE CITY, DEVELOPED BY ENDESA X FOR STELLANTIS

- *Stellantis' production centre in Madrid reaffirms its sustainability strategy with the commissioning of a 30,000 m<sup>2</sup> photovoltaic plant, developed by Endesa X and which meets approximately 30% of the plant's electricity needs in a clean and sustainable way – as witnessed by José Luis Martínez-Almeida, the Mayor of Madrid, during the plant's opening ceremony*
- *Located on the roof of the main manufacturing building, this power plant is made up of about 15,000 photovoltaic modules: 2,546 tons of CO<sub>2</sub> will no longer be emitted, an impact equivalent to that of the trees of El Retiro Park on the quality of air in Madrid.*
- *In line with its decade-long commitment to reducing its carbon footprint and its impact on the environment, since 2020, the Madrid production centre is a pioneer in the production of state-of-the-art electric vehicles with the Citroën ë-C4 (manufactured solely at the centre).*

**Madrid, 1 February 2022** – Stellantis' production centre in Madrid has launched a photovoltaic plant to produce clean and sustainable electricity through 15,000 photovoltaic modules. An initiative resulting from a Stellantis-Endesa partnership, through its Endesa X energy services business line. The plant was inaugurated today by the Mayor of Madrid, José Luis Martínez-Almeida.

The largest photovoltaic solar self-consumption facility in the capital is located on the roof of the main manufacturing building, extending over an area of 30,000 m<sup>2</sup> (equivalent to 4 football fields). With an installed capacity of 6.7 MWp, it meets just over 30% of the production centre's energy needs. This photovoltaic installation will enable savings of more than 8,000 MWh/year and 2,546 metric tons of CO<sub>2</sub> will no longer be emitted into the atmosphere every year. This is equivalent to the effect of the trees in El Retiro on the air in Madrid.

The initiative was kicked off on 9 November, coinciding with the festivities of Our Lady of La Almudena, patron saint of Madrid, and entered its final phase on 22 December 2021. It represents a further step in the production centre's environmental strategy, which encompasses fields as

diverse as energy efficiency, the circular economy, the reduction of CO<sub>2</sub> emissions and chemical substances or the exclusive worldwide production of green vehicles such as the Citroën ë-C4, which already accounts for one in five vehicles leaving its assembly lines.

In recent years, Stellantis Madrid has reduced its electricity consumption per vehicle manufactured by 22.4%, natural gas by 21.3% and water by 15.1%. Figures that will improve even more with the energy produced by the new photovoltaic modules.

*"Stellantis' Madrid production centre's commitment to the environment covers all aspects of its daily life, from energy consumption to the recovery of waste and materials or the control of air and groundwater quality, without forgetting the training and awareness of anyone working there. With the commissioning of the new solar plant, we further enhance the sustainability of our activities, making use of the sun that shines so often over the centre to obtain totally clean energy, in line with the Citroën ë-C4, which we produce exclusively for the entire world," said **Susana Remacha**, director of the production centre.*

For **Davide Ciciliato**, general manager of Endesa X, *"The world and its economy need to accelerate their decarbonisation, and electrification is the only way. It is everyone's commitment. The Stellantis group has set a great example in the city of Madrid, and Endesa X is proud to be able to help them on their own path towards energy transition. It is our mission to help our customers electrify their demand, so that they can reduce their carbon footprint and make more efficient use of their energy. That's what we were born for."*

### **A two-stage project**

Work for stage 1 of the project began in August 2021. This first plant has been in operation since November 2021 and has an installed capacity of 2.2 MWp. With an area of 10,000 m<sup>2</sup> and almost 5,000 photovoltaic modules installed on the roof, stage 1 will produce 3.4 GWh per year.

Stage 2, which has been underway since 22 December 2021, will produce around 6.8 GWh per year. This second installation occupies twice the surface area on the roof (20,000 m<sup>2</sup>) and has almost 10,000 photovoltaic modules that give it a power of 4.4 MWp.

### **SGE, smart monitoring**

The self-consumption project undertaken on behalf of Stellantis also includes Endesa X's Energy Management Service (EMS), which will allow the company to monitor the energy produced at the photovoltaic plant, the energy that is self-consumed and the savings generated, all in a simple way, once it comes online. This service also enables the company to visualise its consumption in real time, detecting anomalies, extra costs and deviations, and to study their causes, and with that information to design the measures required for these problems to be solved, which translates into a direct saving. The EMS does not only provide the client with data and who then has to interpret it, it also makes an analysis that enables informed decisions to be taken. Endesa X also offers companies comprehensive advice throughout the process for managing existing support for self-consumption installations, which result in a significant reduction of the panel installation costs, making the return on the investment even more attractive. [Endesa manages](#)

[these grants for its clients, as well as providing them with the advice they need to choose the best photovoltaic installation option.](#)

#### **About Endesa**

**Endesa** is the largest electricity company in Spain and the second largest in Portugal. The company is also the second largest gas operator in the Spanish market. Endesa operates an end-to-end generation, distribution and marketing business. Through **Endesa X** it also offers value-added services aimed at the electrification of energy usage in homes, companies, industries and Public Administrations. Endesa is firmly committed to the United Nations SDGs and strongly supports the development of renewable energies through Enel Green Power España, the digitalisation of grids through e-distribution and corporate social responsibility (CSR). The Endesa Foundation is also active in CSR. Our workforce numbers around 9,600 employees. Endesa is a division of Enel, Europe's largest electricity group. **Endesa X** is a business line of Endesa that provides innovative solutions that support energy transition, turning the goals of decarbonisation and electrification into beneficial activities for cities, businesses and people in a constantly evolving world. With a strategy focussing on digitalisation and innovation, Endesa X provides an ecosystem of closely interconnected solutions that turn energy into new opportunities for a number of sectors: electric mobility, public and private energy efficiency, artificial intelligence services, data analysis and energy consulting. Endesa X designs, creates and provides modular commercial solutions that enable everyone to create new value as a result of the innovative use of energy. This approach focusses on the principles of sustainability and circular economy to offer households, administrations and companies an alternative model that respects the environment and integrates technological innovation in the daily lives of customers, which are the focus of the company's strategy. Endesa X is a strategic partner that makes new opportunities a reality. Endesa X is the Spanish and Portuguese division of Enel X, a world leader in the field of advanced energy solutions, managing demand response services with around 7.4 GW of total capacity and 137 MW of installed storage capacity worldwide, also owning around 232,000 charging stations for electric vehicles worldwide.<sup>1</sup>

#### **About Stellantis**

**Stellantis** is one of the world leaders in the automotive sector and a mobility provider guided by a clear vision: to offer freedom of movement with specific, affordable and reliable mobility solutions. Along with its rich heritage and a top-notch geographical presence, the Group has other important assets: sustainable performance, increased experience and a large number of employees working around the world. Stellantis will leverage its broad portfolio of iconic brands, founded by visionaries whose passion and competitive spirit we find reflected in both its employees and customers. Stellantis does not aspire to become the largest but the best, always creating added value for all stakeholders, as well as for the communities in which it operates.