

GREENYELLOW SUPPORTS STELLANTIS' DECARBONIZATION WITH AN INNOVATIVE COMPREHENSIVE ENERGY TRANSITION PROJECT

GreenYellow, a global leader in decentralized energy transition, takes a new step in supporting Stellantis, global car manufacturer and provider of innovative mobility solutions, in the decarbonization of its Madrid plant. This ambitious project marks a significant turning point for the automotive industry by integrating three strategic pillars: solar energy production, electrification of thermal processes, and energy storage. Thanks to this combination of innovations, Stellantis Madrid plant significantly reduces its carbon footprint and is fully committed to carbon neutrality, as reflected in its “Dare Forward 2030” plan, while also strengthening its goal of sustainable energy independence for its production process.



TRANSFORMING THE MADRID PLANT: THREE PILLARS FOR SUSTAINABILITY

1. **Solar energy production:** Installation of a **ground-mounted photovoltaic plant** with a **capacity of 4.6 MWp**, **generating around 7 GWh annually** for self-consumption. This system complements the existing **rooftop installation**, bringing the **total capacity to 12.9 MWp** and **annual production to 18.8 GWh**. Commissioned by GreenYellow, this second phase reduces **CO₂ emissions by 931 tons per year** - the equivalent of the **consumption of a village of 400 inhabitants**—and offsets its environmental impact through the **planting of 4,700 trees**, forming a forest the size of nine football fields.
2. **Electrification of thermal processes:** Replacement of gas boilers with **heat pumps**, achieving **energy savings of 57%**, equivalent to **2,9 GWh per year**, and a reduction of **1,218 tons of CO₂ annually**.

3. **Energy storage:** Installation of a **25 MWh BESS Battery Energy Storage System (BESS)**, according to GreenYellow currently the **largest in Europe for photovoltaic self-consumption**. This system, supplied by Sungrow, includes advanced technologies such as liquid cooling, artificial intelligence, and a high-security system, ensuring greater energy independence. The integration of energy storage solutions will not only stabilize the site's energy supply during periods of high demand but also optimize costs by reducing consumption peaks. These solutions strengthen infrastructure resilience while supporting Stellantis' environmental commitments.

AN INVESTMENT IN A SUSTAINABLE FUTURE FOR THE AUTOMOTIVE SECTOR

This project reflects a notable success in **its rapid implementation and execution**. The contract for the photovoltaic system was signed in June 2024 and is already operational. The heat pumps contract was signed in August 2024, and are already operational, while the battery contract, signed in December 2024, will be ready to go into service in the summer of 2025.

This project not only reinforces Stellantis' commitment to carbon neutrality but also strengthens its goal of sustainable energy autonomy for its production centres. Additionally, thanks to the rapid implementation, Stellantis benefits from its operational competitiveness.

COLLABORATION AND LOCAL IMPACT

The collaboration between GreenYellow, Stellantis, Icoenergía, and Sungrow, companies located in close geographical proximity, has been key to ensuring efficient execution. Thanks to this local approach, the hiring of nearby labour and the creation of synergies that benefit the community have been promoted.

"This comprehensive model represents the future of the industry, combining renewable energies, storage, and electrification in an effective strategy to reduce the carbon footprint" highlighted **Nicolas Daunis, General Manager of GreenYellow Iberia**.

Jesús Cánovas, Managing Director of Icoenergía, highlighted the strategic value of the project:

"This project has been an exciting challenge and a unique opportunity to demonstrate the value that Icoenergía brings when it comes to transforming the industry towards a more efficient and sustainable model. From technical execution to the coordination of cutting-edge equipment and technologies, we have worked with precision, commitment and vision. But beyond the measurable results, we are deeply proud to be part of an initiative that drives the real decarbonization of the automotive sector. Together with partners such as GreenYellow, Stellantis and Sungrow, we are demonstrating that the energy transition is not only possible, but already underway."

For his part, **Iker Labiano García, Sungrow's ESS manager in Spain and Portugal** highlighted the importance of energy storage: *"With the PowerTitan 2.0, we are setting new standards for efficiency and safety in energy storage. Our mission is not only to push the boundaries of technology, but also to empower our partners to achieve their sustainability goals."*



IMPACT AND BENEFITS FOR THE INDUSTRY

The simultaneous implementation of these three initiatives demonstrates how collaboration between companies can drive the transition to a more sustainable energy model. This project not only benefits Stellantis by stabilizing its energy costs and maximizing operational efficiency but also **sends a strong message to the automotive sector: decarbonization is viable and necessary to maintain competitiveness in a constantly evolving market.**

INNOVATION THAT INSPIRES THE SECTOR

With cutting-edge technologies, advanced monitoring tools, and an energy management model based on artificial intelligence, this project stands as an example of innovation to follow. **Any company with available space and traditional heating systems can replicate this model, taking advantage of the benefits of electrification and solar energy.**

ABOUT GREENYELLOW

GreenYellow, a French company founded in 2007, has become in 18 years a major player in the energy transition in France and internationally, and a true partner of corporates and local authorities in their decarbonization journey and quest for energy independence.

As an expert in decentralized solar photovoltaic production, energy efficiency programs, energy storage, and electric vehicle charging infrastructure, GreenYellow supports its clients across the entire value chain. The group ensures the study, financing, development, and operation of assets that allow them to produce green, local, and competitive energy, reduce their energy consumption, while strengthening their competitiveness.

In 2024, the projects carried out by GreenYellow helped avoid the emission of almost 546,000 tons of CO₂ equivalent. The group also aims to achieve carbon neutrality ("Net Zero") for scopes 1 and 2 by 2040.

Operating in some 15 countries across 4 continents, GreenYellow innovates by constantly enriching its unique and global platform of offers to support corporates in their transition to a more sustainable energy model and meet the challenges of climate change.

 www.greenyellow.com/en

MEDIA CONTACT FOR GREENYELLOW

Wellcom Press Agency | +33 (0) 1 46 34 60 60 | greenyellow@wellcom.fr

ABOUT ICOENERGÍA

Icoenergía is a leading company in the energy, efficiency and sustainability sector. We are dedicated to delivering efficient, cost-effective and sustainable energy solutions for businesses and industries, guiding them towards a responsible energy transition and a carbon neutral footprint. With a commitment rooted in innovation and environmental responsibility, we are leading the way to a more sustainable energy future.

 <https://icoenergia.com/>

ABOUT SUNGROW

Sungrow, a global leader in renewable energy technology, has been pioneering sustainable energy solutions for more than 28 years. By December 2024, Sungrow had installed 740 GW of electronic power converters worldwide. The company is recognized as the world's No. 1 photovoltaic inverter shipments (S&P Global Commodity Insights) and the world's most bankable energy storage company (BloombergNEF). Its innovations fuel clean energy projects in more than 180 countries, supported by a network of 520 branches that ensure an excellent customer experience. At Sungrow, we are committed to building bridges to a sustainable future through cutting-edge technology and unmatched service.

 www.sungrowpower.com