

GreenYellow supports Biedronka's decarbonization strategy with more than 2,300 photovoltaic installations in Poland

117 MWp of solar capacity deployed across more than 2,300 stores: GreenYellow, a global player in decarbonization and flexible electrification, is supporting Biedronka, Poland's leading food retailer, in decarbonizing its network. This large-scale project is one of the largest multisite rooftop solar programs across commercial buildings in Europe and the largest solar self-consumption project in Poland.



Local energy production driving shopping centres decarbonization

The photovoltaic installations currently generate **+113 GWh of renewable electricity per year**, equivalent to the **annual electricity consumption of more than 61,700 Polish households**, based on average household electricity consumption in Poland.

Covering a total rooftop area equivalent to nearly **92 football pitches**, the installations also help avoid **+62,000 tonnes of CO₂ emissions each year**.

All the electricity generated is **consumed directly at Biedronka stores**, meeting their on-site energy needs. This local energy production is particularly relevant for the retail sector, where energy consumption is continuous and largely driven by essential equipment such as refrigeration, lighting and air conditioning.

"The success of a project of this magnitude is not only based on photovoltaic technology, but above all on our ability to rapidly deploy energy solutions on a very large scale. We are currently commissioning an average of 2.3 MWp of new capacity every month, equivalent to around 50 new installations, across hundreds of sites throughout Poland. Each store comes with its own set of constraints, from grid connection and permitting to rooftop structural assessments, fire safety requirements and technical inspections. Our role is to manage this complexity end-to-end, allowing Biedronka to remain focused on its core business," explains **Adam Dominiak, General Manager, GreenYellow Poland & Central Europe**.

An Energy-as-a-Service approach to accelerate the energy transition

For Biedronka, GreenYellow manages **the entire project, from design through to operation**, under a **PV-as-a-Service** model.

GreenYellow **studies, finances, designs, builds, operates and maintains** the photovoltaic installations, enabling Biedronka to accelerate the deployment of renewable energy generation across its network without having to commit its own CAPEX.

This approach progressively transforms commercial buildings into **energy assets**, bringing energy production closer to consumption and maximizing the value of locally generated electricity.

“Given the scale of our network, electricity is a strategic resource for ensuring the day-to-day operation of our stores. It is essential not only during opening hours, but also for refrigeration equipment and other technical systems that operate continuously. Our collaboration with GreenYellow allows us to gradually equip more stores and directly consume the solar energy generated on their rooftops,” says **Natalia Rompska-Žuk, Senior Energy Management Manager at Biedronka.**

Scaling up while adapting to each site

Although the program now comprises more than **2,300 installations**, each project is designed according to the specific characteristics of the individual store.

This ability to combine **industrial-scale deployment with local adaptation** is at the heart of GreenYellow’s approach. It enables the optimization of both energy production and self-consumption at each site, while ensuring consistent deployment across a network spanning several thousand locations.

Beyond photovoltaics, this approach illustrates how energy is increasingly becoming a **strategic lever for performance and decarbonization** for multisite businesses.

With Biedronka, GreenYellow demonstrates its ability to support organizations with complex, energy-intensive networks in moving towards a **new energy era**: producing renewable energy locally, electrifying uses and, tomorrow, increasing flexibility to optimize the energy and economic performance of their sites.

ABOUT GREENYELLOW

GreenYellow, a French company founded in 2007, has become over 19 years a major player in decentralized energy transition in France and internationally, and a true partner for the Commercial & Industrial (C&I) sectors as well as the public sector in their decarbonization journey and quest for energy independence.

An expert in energy efficiency programs and the electrification of uses, as well as in decentralized solar photovoltaic production and energy storage, GreenYellow supports companies across the entire value chain. The group ensures studies, design, financing, development, and operation of assets, enabling its clients to reduce their energy consumption, electrify their processes, and produce green, local, and competitive energy, while strengthening their overall competitiveness.

In 2025, the projects carried out by GreenYellow helped avoid the emission of almost 646,000 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 its 1,400 clients in their transition to a more sustainable energy model and meet the challenges of climate change. www.greenyellow.com/en

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