

## GreenYellow and PTP Ibérica develop a pioneering energy project for industrial cooling and self-consumption solar energy in Cadiz

GreenYellow, an international leader in the decentralized energy transition, and PTP Ibérica, a specialist in the development of logistics solutions, announce the launch of GreenYellow's largest industrial refrigeration project in Europe. It combines a high-efficiency refrigeration system with a self-consumption photovoltaic plant in the new PTP port terminal in Spain, located in the Port of the Bay of Cádiz. This initiative reinforces both companies' commitment to sustainability, operational efficiency, and reducing emissions across supply chains.



### Two levers for sustainability: energy efficiency and renewable energies

#### 1. Efficient Industrial Refrigeration (#SHIFTEfficiency):

The project involves the installation of a centralized refrigeration system using a natural refrigerant (NH<sub>3</sub>), designed specifically for the new refrigerated cargo terminal currently under construction.

Although this is a greenfield project, the solution has been designed to optimize energy efficiency from the design stage. Compared to conventional systems, this technology will **reduce energy consumption by around 6.5 GWh per year** and **avoid the emission of 656 tonnes of CO<sub>2</sub>**, the equivalent of planting around 4,950 trees.

The terminal, located in the port of Cadiz, is positioned as a benchmark in terms of sustainability and operational flexibility in the logistics and food sector. With more than **14,500 m<sup>2</sup> of covered area**, the complex has refrigerated rooms capable of operating at two temperatures depending on the type of product:

- **4 MW cooling capacity at -10 °C** for fruit and vegetables.
- **1.3 MW cooling capacity at -30 °C** for meat, fish and seafood.

The versatile design makes it possible to adapt each chamber to either temperature range, ensuring optimal use of space according to operational needs. In addition, integrated autonomous shuttles optimize load handling and enhance logistical efficiency.

## 2. Solar production for self-consumption (#SHIFTProduction)

The project also includes a **rooftop photovoltaic plant for self-consumption**, integrated into the building's design from the outset, with an **installed capacity of 1.84 MWp** and an **estimated annual production of 2.4 GWh**. The energy generated will **cover approximately 35% of the terminal's needs**, contributing to reduced energy costs and decarbonization. However, the terminal will remain connected to the electrical grid, as its total consumption exceeds solar production. This installation will **prevent the emission of 240 tons of CO<sub>2</sub> per year**, equivalent to **planting 6,130 trees**.

**Nicolas Daunis, Country Manager GreenYellow Spain**, states: *"The alliance with PTP Ibérica in Cadiz marks an important milestone for GreenYellow in Spain. Our integrated model enables our clients to accelerate their expansion, optimize costs and achieve their ESG objectives, while ensuring the financing, operation and performance of energy assets. It is a concrete example of how the energy transition can become a lever for competitiveness and sustainability for the logistics sector. »*

For PTP Group, this new terminal represents a strategic position in the south of Spain, at the port of the Bay of Cadiz, and expands the group's reach on three continents: South America, Europe and Africa.

**Diego Nieves, Country Manager PTP Spain**, highlights: *"The location of the 'Border Control Point' within the terminal positions our site as a key player in import-export logistics, with enhanced connectivity to North Africa and the passage for Ro-Ro."*

With 20,000 pallet positions, the terminal will meet the logistics needs of the European food supply chain. Its connection to the electric railway also makes it possible to set up sustainable logistics on a large scale. PTP Spain thus completes its European logistics platform, which now has more than 15 operational sites. A similar project is underway in the Netherlands via PTP Rotterdam, ensuring full continental coverage and increased connectivity options with South America, North America and Africa.

### A model that drives expansion and competitiveness

GreenYellow's business model, based on **"Energy as a Service contracts"** and **PPAs**, not only applies to renovation projects, but is also a strategic tool for expanding companies. It enables them to design and implement new, efficient installations from the project phase, to focus their investments on their core business, and to delegate the design, financing, operation and maintenance of energy assets to an expert partner.

In this way, PTP Ibérica can develop its logistics platform with guarantees of performance, sustainability and cost control, without diverting resources from its core business.

### Innovation and sustainability in industrial logistics

This flagship project illustrates GreenYellow Spain's goal: **to support industrial and commercial (C&I) clients towards decarbonization by combining energy efficiency and renewable production for tangible and sustainable results**. The collaboration with PTP Spain positions Cadiz as a European benchmark in energy innovation and responsible logistics.

**The commissioning of the facilities is scheduled for mid-2026**, marking a new milestone in the two companies' joint commitment to the sustainability and competitiveness of the sector. With this initiative, GreenYellow Spain and PTP Ibérica assert their leadership and send a clear message to the logistics sector: **the energy transition is possible, profitable, and essential for the industrial future**.

### **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 CO<sub>2</sub> 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](https://www.greenyellow.com/en)

### **MEDIA CONTACT FOR GREENYELLOW**

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