

Discover Cibebe

Portugal

130.25 MWp

Instaled Capacity

69.000

Portuguese households per year

47.800

Tons of CO2 reduced

The Cibebe photovoltaic plant

This plant has an installed capacity of 130.25 MWp. Located between the municipalities of Rio Maior and Cadaval, in the heart of Portugal, the Cibebe plant takes full advantage of the region's excellent solar conditions. With an estimated annual production of 238,882 MWh, Cibebe will be capable of supplying clean energy to approximately 69,000 Portuguese households every year, making a direct contribution to energy independence and the sustainability of the national electricity system. The electricity generated will be delivered to the grid via the Rio Maior substation, ensuring a stable and secure connection. In addition to the solar plant, Exus is currently developing a 45 MW wind hybridization, which will further enhance the site's renewable generation potential and provide greater supply consistency throughout the year.



Environmental benefits and innovation

Once operational, the plant will prevent the emission of approximately 47,800 tons of CO₂ per year, significantly reducing the project's carbon footprint. The photovoltaic park features 211,789 bifacial solar modules installed on single-axis solar trackers, which optimize production by following the sun's trajectory. The plant also includes string-type inverters, which improve operational efficiency and enable decentralized performance control.



Construction and sustainability commitment

Construction works are scheduled to begin in July 2025, with an expected duration of approximately two years. As part of Exus' commitment to sustainability and territorial integration, an environmental restoration plan will be carried out. These actions aim to preserve local biodiversity and restore affected natural habitats. The plant will be located in a traditionally agroforestry region and it has been carefully selected to minimize environmental impact and maximize land compatibility.

Ethics and transparency

In line with the Equator Principles, a set of international standards for managing environmental and social risks in project finance, a series of assessments have been carried out to ensure the project's responsible and transparent development.

HRIA

A Human Rights Impact Assessment was conducted to identify, prevent, and mitigate any potential adverse impacts on the rights of local communities and workers. The assessment ensures that the project respects human dignity, labor rights, and community well-being throughout its development and operation phases.

[Learn more](#)

CCRA

A Climate Change Risk Assessment was undertaken to evaluate the project's exposure to physical climate-related risks (e.g. extreme weather events) and transition risks (e.g. regulatory or market changes). The analysis informed resilience measures and aligned the project with long-term climate adaptation and mitigation strategies.

[Learn more](#)

EIA

An Environmental Impact Assessment was completed to assess and minimize potential effects on the natural environment, including biodiversity, water resources, soil, and air quality. The findings have been integrated into the project design and construction planning to ensure environmental protection and regulatory compliance.

[Learn more](#)



Ethics channel