

Jord's Dominican biofuel plant goes solar, covering close to 100% of its annual electricity use

The Swedish company's biomass plant in San Pedro de Macorís will generate around 567,000 kWh of renewable electricity a year and avoid roughly 340 metric tons of CO₂. The solar-plus-storage system was designed and built by Dominican renewable energy company ENSO.

SAN PEDRO DE MACORÍS, Dominican Republic — August 2026 — Jord has brought online a 368.6 kWp solar photovoltaic system with 261 kWh of battery storage at its biomass processing plant in San Pedro de Macorís. The installation is expected to produce about 567,000 kWh a year — roughly equivalent to 100% of the site's current annual electricity demand — and to avoid some 340 metric tons of CO₂ emissions annually.

The system was developed and installed by Dominican renewable energy company ENSO. Generating on site cuts the plant's reliance on the national grid and its exposure to electricity price volatility, while the batteries store daytime solar for use outside peak generation hours and keep production running through outages — a recurring operational risk for industrial users in the country.

At San Pedro de Macorís, Jord grows high-yield C4 perennial grasses across roughly 500 hectares of marginal and degraded land. The biomass is processed into solid renewable biofuels that can replace coal and other fossil fuels in heat-intensive industrial processes. Adding solar lowers the footprint of that production further, so that both the fuel Jord sells and a growing share of the energy used to make it now come from renewable sources.

“Our job is to help industry use less fossil fuel, so we want less of it in our own operations too,” said Peder Dagsanth, CEO of Jord. “This system covers virtually all of the plant's current annual electricity demand while reducing our dependence on the grid and our exposure to outages and price swings. It is an investment that makes sense commercially as well as for the climate.”

“For ENSO, this project represents how engineering and innovation can transform the way industry manages its energy. Integrating solar generation and battery storage allowed us to develop a solution for Jord tailored to its operational needs, increasing its energy independence and resilience while reducing its environmental impact. We are proud that this project was developed and implemented with Dominican talent and expertise, to high international standards of engineering, quality and safety,” said Roberto Borda, CEO and co-founder of ENSO.

The project comes as the Dominican Republic continues to diversify its energy mix toward renewables. For industrial users, on-site generation paired with storage can make energy costs more predictable and strengthen continuity of operations — and, as San Pedro de Macorís shows, it can be applied to plants that produce renewable fuels themselves. The installation is the latest step in Jord's expansion in the country.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Installed PV capacity	368.6 kWp
Solar modules	567 × LONGi Hi-MO 9, 650 Wp
Inverters	2 × Solis 150 kW, three-phase hybrid
Battery energy storage system (BESS)	1 × Solis Evercore, 261 kWh
Estimated annual electricity generation	approx. 567,000 kWh
Estimated annual CO ₂ emissions avoided	approx. 340 metric tons
Share of current annual electricity demand covered	approx. 100%

ABOUT JORD

Jord is a Swedish renewable energy company producing solid biofuels and carbon credit solutions from high-yield C4 perennial grasses grown on marginal and degraded land. Founded in 2017 and headquartered in Stockholm, Jord develops integrated production systems designed to reduce dependence on fossil fuels while restoring underused land. The company currently has projects in the Dominican Republic and Senegal.

www.jord.one

ABOUT ENSO

ENSO is a Dominican company specializing in end-to-end renewable energy solutions, with expertise in the design, engineering, supply and installation of photovoltaic systems for residential, commercial and industrial customers across the Dominican Republic. Led by co-founder and general manager Eng. Roberto Borda, ENSO develops every project to national and international standards of engineering, quality and safety, tailored to each client's energy and operating needs.

www.enso.do

PRESS CONTACTS

JORD

Rocío López, Marketing Manager
rocio.lopez@jord.one

ENSO

Leonela Tejeda, Commercial Director
ltejeda@enso.do

NOTES TO EDITORS

- High-resolution photography and drone footage are available on request.
- Interviews with Jord and ENSO representatives can be arranged in English and Spanish.
- Site visits to the San Pedro de Macorís plant can be arranged.

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