960kW Solar Photovoltaic Power Plant



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960kW Solar Photovoltaic Power Plant

An attractive investment opportunity involving a utility-scale solar photovoltaic project located in the Abruzzo region of Italy.

The project features an installed peak capacity of approximately 1.115 MWp DC and a nominal AC capacity of 960 kW, supported by a technical energy yield assessment based on long-term solar irradiation data.

The proposed configuration incorporates high-efficiency bifacial photovoltaic modules and fixed-tilt mounting structures, designed to optimize solar energy generation.

KEY PROJECT SPECIFICATIONS

Parameter	Description
Technology	Solar Photovoltaic
Location	Abruzzo, Italy
Installed Capacity (DC)	1.115 MWp
Nominal Capacity (AC)	960 kW
DC/AC Ratio	1.16
PV Modules	1,560 units
Module Technology	Bifacial Monocrystalline
Module Efficiency	23.02%
Mounting System	Fixed-Tilt Structure
Available Land Area	Approx. 1.58 ha
Inverters	3 units

INVESTMENT HIGHLIGHTS

- Attractive Energy Yield: Estimated first-year energy production of approximately 1.57 GWh.
- Long-Term Generation Potential: Forecast cumulative energy production of approximately 37.8 GWh over 25 years.
- Advanced PV Technology: High-efficiency bifacial photovoltaic modules with an 80% bifaciality factor.
- Favourable Solar Resource: Based on solar irradiation data provided by Solargis.
- Detailed Technical Assessment: Energy yield calculations incorporate equipment performance and estimated system losses up to the grid connection point.
- Established Renewable Energy Market: Located in Italy's Abruzzo region.

ENERGY PRODUCTION FORECAST

Performance Indicator	Estimated Value
First-Year Energy Production (P50)	1.57 GWh
Specific Annual Yield	1,429.1 kWh/kWp
First-Year Performance Ratio	77.85%
Average Specific Yield (25 Years)	1,377.2 kWh/kWp
Cumulative Production (25 Years)	37.8 GWh

GROSS REVENUE
EUR 0

EBITDA
EUR 0

BUSINESS TYPE
Renewable Energy - Solar PV

COUNTRY
Italy

BUSINESS ID
L#20261209

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Average Performance Ratio (25 Years) 75.03%

TRANSACTION INFORMATION

Further information regarding the project's development status, permitting, grid connection, ownership structure, commercial arrangements and financial expectations can be provided to qualified investors upon execution of a Non-Disclosure Agreement (NDA).

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