SITEIQ — SITE ASSESSMENT REPORT (SAMPLE)

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Project Name	Castilla-La Mancha Demo (187 ha)
Location	Castilla-La Mancha, Spain
Coordinates	38.20000°N, 2.50000°W
Site Area	187 ha
Land Use / Mounting	Standard · Fixed Tilt
Report Date	24.06.2026
Prepared by	PVMath — Sample Report

Metric	Value	Rating
Annual GHI	1,842 kWh/m²/yr	High
In-plane irradiation	2,109 kWh/m²/yr	High
Mean slope	3.2%	Low
Max slope	4.8%	Acceptable
Flood risk	Low	Low
Est. DC capacity (1P FT)	75–105 MWp	Screening band
PVMath Score	82 / 100	Very Good

Representative screening output for a 187 ha site in southern Spain. Values match the public demo on pvmath.com. For a live report on your site, register free at siteiq.pvmath.com.

ANNEX — SCREENING METRICS EXPLAINED

The Key Metrics table rates each parameter for early go/no-go. Ratings (Excellent, Acceptable, Low risk, etc.) reflect screening thresholds — not bankability or permitting approval.

Metric	What it means
In-plane Irradiation	Annual solar radiation on the module plane (kWh/m²/year), from PVGIS (EC JRC). Compares solar resource between sites. Screening-grade — not a bankable irradiation study.
Specific Yield	Estimated annual energy per installed DC kWp (kWh/kWp/year), derived from PVGIS with standard screening losses (flat loss; no row-to-row shading in SiteIQ). Use YieldIQ for configuration comparison; use PVsyst or equivalent for bankable yield.
Optimal Tilt	PVGIS-recommended fixed-tilt angle (degrees) for this location on a south-facing plane (or local equivalent). Omitted for single-axis tracker screening — tracker runs on a horizontal N–S axis.
Max / Mean Slope	Terrain steepness (% grade) from satellite DEM. Max slope uses sparse sample points unless TopoIQ has been run on the project boundary (then mean and max from Copernicus GLO-30 grid). Indicative only — not survey-grade topography.
Elevation	Centre-point elevation above sea level (m) from EU-DEM (Europe) or SRTM (global) via OpenTopoData. Used for context and flood heuristic — not geodetic survey.
Flood Risk	Rule-based flag from elevation context — not official flood-zone mapping or hydraulic modelling. Always verify with local flood products and hydrology studies before investment decisions.
Est. DC Capacity	Indicative DC capacity band (MWp) from site area, land-use density (MW/ha), and ground coverage ratio (GCR) assumptions for the selected mounting type. Not a layout or interconnection study.

Est. Output	Indicative annual energy (MWh/year) from screening specific yield × estimated DC capacity. For early feasibility only — not lender-grade production estimates.
Incentive / Tariff	Country-aware pointer to typical remuneration or auction frameworks (e.g. EEG, SECI, PPA). Indicative checklist item — not legal, tax, or tariff advice. Confirm with local advisors and offtake contracts.

IMPORTANT DISCLAIMER

This report provides preliminary site screening for internal go/no-go and early client discussions only. Solar data from PVGIS JRC; terrain from satellite DEM (indicative unless TopoIQ-confirmed); flood risk is an elevation heuristic, not hydraulic modelling; regulatory flags are indicative OSM-based checks, not permitting diligence. PVMath does not claim bankability. A full engineering study, site survey, permitting review, and certified energy yield assessment are required before financing, EPC contract, or final investment decision.