PV repowering

Needs confirmation

The electrical uplift is modelled from a module-class assumption; confirm structures, equipment and grid conditions.

4000 kWp	**6500 kWp**	**1265,6 MWh/year**
Existing PV	Modelled replacement	Added annual generation
Synthetic inputs	Synthetic inputs	Synthetic inputs

Not a financing approval. All figures come from the frozen synthetic sample.

Visual site reference - illustrative, not surveyed

Separate from the frozen synthetic calculation. Not a route survey or cadastral extract.

SE Vranovci - planned project - k.o. Vranovci - 1162/3



Generated landscape. Routes, consumer and equipment are illustrative. No measured scale.

Hypothetical future replacement: module compatibility, inverter upgrade and storage require verification. Capacity and generation uplift for Vranovci: to be modelled. The synthetic report metrics do not describe this site.

Source: July 2026 SE Vranovci environmental study, printed pp. 5 and 14 (Croatian ministry).

Open source study

OWNER DECISION REPORT

PV repowering

English report copy · figures retain the IT edition's EUR convention.

PHYSICAL FIT REQUIRES VERIFICATION

Compare the existing array with a module replacement scenario; physical fit remains subject to engineering review.

Decision metrics

Metric	Result	Basis
Existing PV	4000 kWp	Synthetic inputs
Modelled replacement	6500 kWp	Synthetic inputs
Added annual generation	1265,6 MWh/year	Synthetic inputs
Investment allowance	1.418.750 €	Synthetic inputs

What this scenario establishes

An annual model is included in this calculation. Its tax basis and assumptions must be reviewed before use.

A DC nameplate uplift does not establish structural fit, AC capacity or permission to change the supported plant.

Illustrative inputs

- Synthetic 4 MWp plant: 16,000 modules × 250 Wp.
- 4,400 MWh/year generation and 8 ha site area are illustrative inputs.
- No grid import agreement, customer contract or surveyed layout is supplied.

Evidence needed next

- Confirm as-built dimensions, mounting compatibility and structural loading.
- Replace screening costs with module, inverter and installation quotations.
- Review tariff, grid and lender conditions before changing the plant.

Engineering handoff

CONCEPT PACKAGE · ENGINEER VERIFICATION REQUIRED

The sample package contains a functional concept SLD built from explicit synthetic assumptions. It is editable and traceable, but it is not for construction and does not invent protection, cable, earthing or utility approvals.

- Concept single-line diagram · PDF, SVG and editable DXF
- Equipment, feeder, evidence and information-required schedules · XLSX and CSV
- Design basis, saved decision brief and exact result snapshot · PDF and JSON
- Checksummed manifest and package lineage · JSON

Calculation basis

This report is generated from a frozen synthetic PV8 calculation. No customer information or live provider response is included.

SHA-256: 6ea09f02ccc28b37ff025a5b8fa090f545ebf960bb11b2b9658b3fd889b57f1b

Use this example to see the decision process. Your own result depends on your plant, assumptions and evidence; it is not a financing approval.