PV repowering

Needs confirmation

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

4 000 kWp	6 500 kWp	1 265,6 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 CZ edition's CZK 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	4 000 kWp	Synthetic inputs
Modelled replacement	6 500 kWp	Synthetic inputs
Added annual generation	1 265,6 MWh/year	Synthetic inputs
Investment allowance	34 464 275 Kč	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: bdc3c9ae0cafcf6342b6fe114d3622a814422bcf6cb85c4843f866fa888a21b3

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