Data center

Needs confirmation

The facility case is modelled, but firm import rights, redundancy and fibre service remain decision gates.

0,5 MW IT	6009 MWh/year	1,1 MW
IT capacity	Facility electricity	Import capacity to confirm
Synthetic inputs	Synthetic inputs	Synthetic inputs

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

OWNER DECISION REPORT

Data center

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

IMPORT RIGHT REQUIRED

Explore a 500 kW IT scenario without treating export capacity as permission to import power.

Hosting-operator revenue under a colocation model, before facility investment, operating costs, tax and financing. PV-owner rent and incremental owner cash flow are not calculated in this sample.

Decision metrics

Metric	Result	Basis
IT capacity	0,5 MW IT	Synthetic inputs
Facility electricity	6009 MWh/year	Synthetic inputs
Import capacity to confirm	1,1 MW	Synthetic inputs
Hosting revenue	1.200.000 € / year	Synthetic inputs

What this scenario establishes

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

Export capacity is not evidence of an import right. The data-centre load needs a separately confirmed firm supply.

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 firm import rights, redundancy and the connection upgrade scope.
- Obtain a carrier quote for the workload and diverse fibre routes.
- Replace illustrative customer pricing and facility cost with commercial offers.

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: d1f2f496f3a438fdb236066a9ba72ce8e2996ce42d834f6b4934f03c2144c79d

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