Marina Calcagnotto
Creation: 04-07-2025
Last Modification: 04-07-2025
Calculated with RECON version: 2.2.1

Sheet: Test1

Configuration personal data

Sheet name	Test1
Type	Renewable Energy Community
Status	to be constituted
City (Province)	Bari (BA)

Users and power plants of the configuration

User name	Category	POD name	No. POD same user	No. POD other users *	Type	Final use	Power plant (number of sections)
marina	SME	tienda	1	0	consumer	commercial	
ursula	SME	prod1	1	0	producer		PV (1)
ayto	local authority	of1	1	0	consumer	office	
felipe	citizen	res1	1	0	consumer	residential	

* POD con le stesse caratteristiche ma nella titolarità di membri diversi.

Photovoltaic power plants

User name (POD name)	ursula (prod1)
Production unit	1
Producer *	ursula
Owner	same as producer
Plant status	not operational
Commissioning date	01-11-2025
Eligible for incentives	yes
Already incentivized under Art. 42 bis DL 162/2019	no
Power [kW]	400
Mandatory power [kW]	
Installation type	building
Exposure 1 - power / tilt / orientation	200 kW / 10° / 90°
Exposure 2 - power / tilt / orientation	200 kW / 10° / -90 °
Electricity selling strategy	Dedicated Withdrawal
Electricity price in free market [cent €/kWh]	
RID transferred to configuration	no
Yearly O&M costs [€/kW/year]	10
Extraordinary O&M costs [€/kW]	90

* Si assume che il produttore coincida con l'utente.
N.B. Eventuali dati indicati in grigio sono stimati.

Power plants - investment

User name (POD name)	ursula (prod1)
Plant technology	photovoltaic
Production unit	1
Commissioning date	01-11-2025
Investment type	equity
Unitary investment cost [€/kW]	1000
Total investment [€]	400000
Loan: share of investment costs [%]	
Loan: interest rate [%]	
Loan: duration [years]	
Fee: type	
Fee: value	
Fee: duration [years]	
Final installment [€]	
TAN [%]	
EU subsidies	none
EU subsidy percentage	
Maximum reference cost [€/kW]	
Other non-EU subsidies	no
Non-EU subsidy percentage	
Maximum reference cost [€/kW]	
Subsidy percentage (for third-party producers)	
50% tax deductions	
Superbonus	

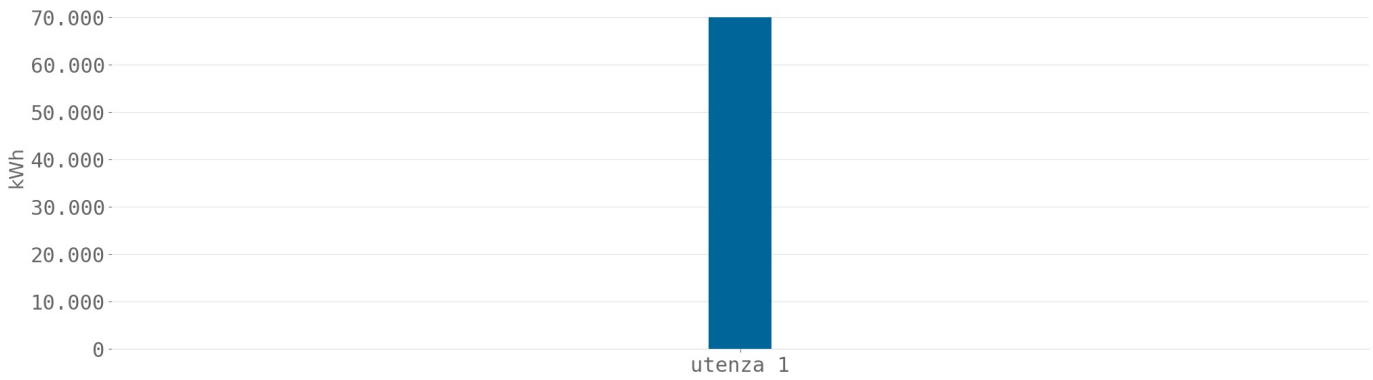
N.B. Gli impianti/UP sono ordinati per data di entrata in esercizio crescente.
Eventuali dati indicati in grigio sono stimati.

End customers

Username	POD name	Type	Power meter [kW]	Withdrawal availability	Final use	Electric energy price * [cent €/kWh]
marina	tienda	consumer		yearly, by ARERA time bands	commercial	
ayto	of1	consumer		yearly, by ARERA time bands	office	
felipe	res1	consumer	3	n.d.	residential	

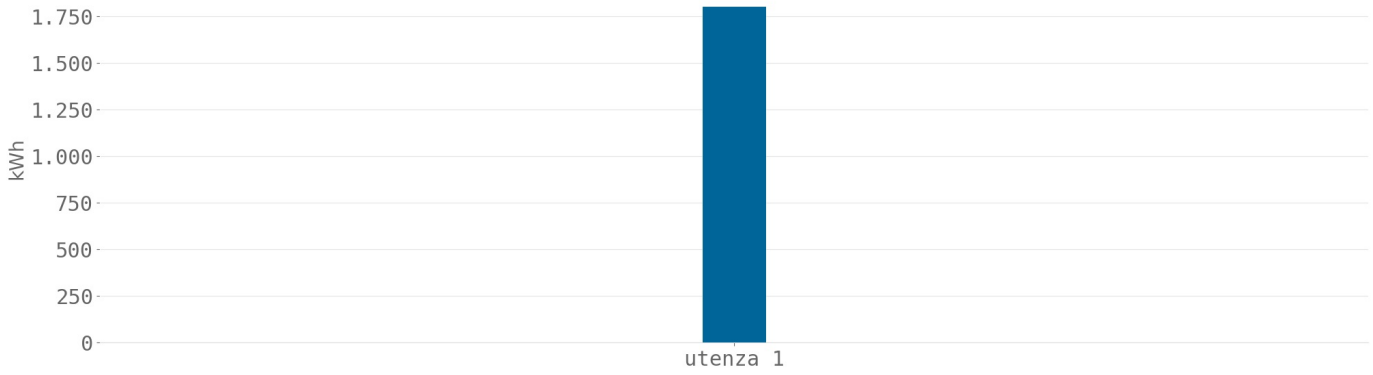
* Valore della quota energia (in euro/kWh) per la voce "spesa per la materia energia" ricavabile dalla bolletta, IVA esclusa.
N.B. Eventuali dati indicati in grigio sono stimati.

Annual withdrawals - Commercial utilities



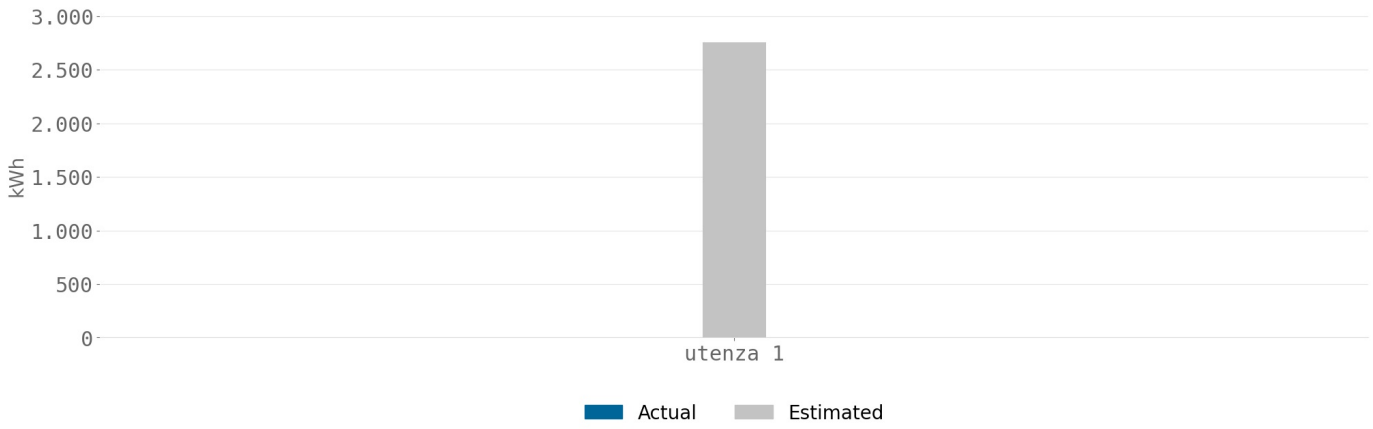
utenza 1: marina (tienda)

Annual withdrawals - Office utilities



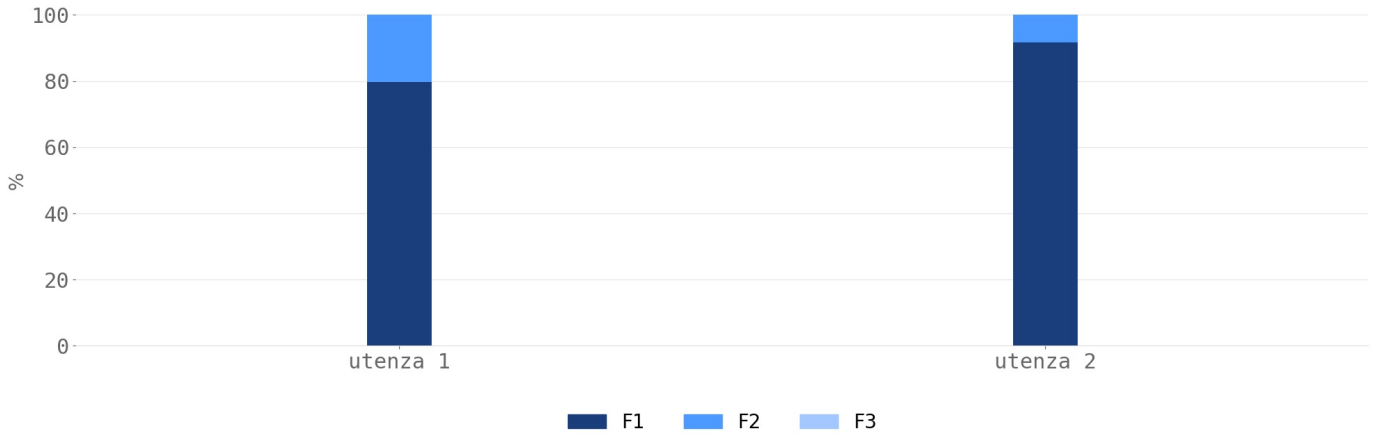
utenza 1: ayto (of1)

Annual withdrawals - Residential utilities



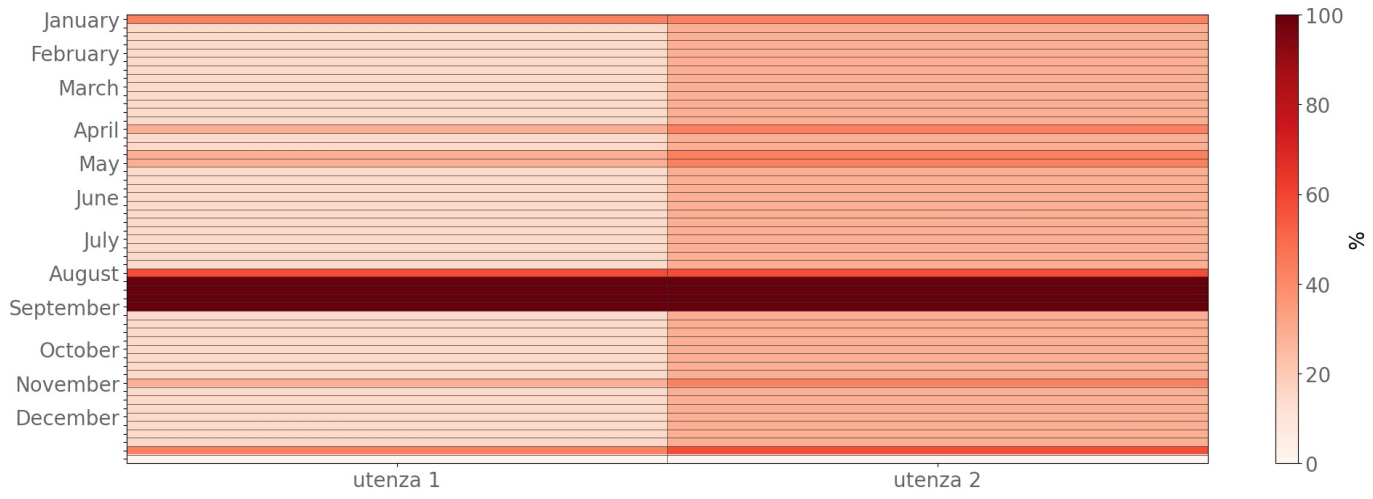
utenza 1: felipe (res1)

Distribution by activity hours



utenza 1: marina (tienda)
utenza 2: ayto (of1)

Weekly percentage of closing or non-activity days



utenza 1: marina (tienda)
utenza 2: ayto (of1)

Power plant parameters

Extraordinary maintenance frequency [years]:	
- Photovoltaic	11
- Wind	
- Hydroelectric	
Photovoltaic module efficiency reduction [%/year]	0,5

Financial parameters

Equity capital cost of configuration [%]	5
Inflation [%]	2

N.B. Eventuali dati indicati in grigio sono stimati.

Configuration costs

Constitution [€]	0
Third-party services [€/year]	0
Staff [€/year]	0
Fee to third-party Referent of configuration	
Measuring devices [€/unit]	100
Monitoring system [€/year/POD]	0

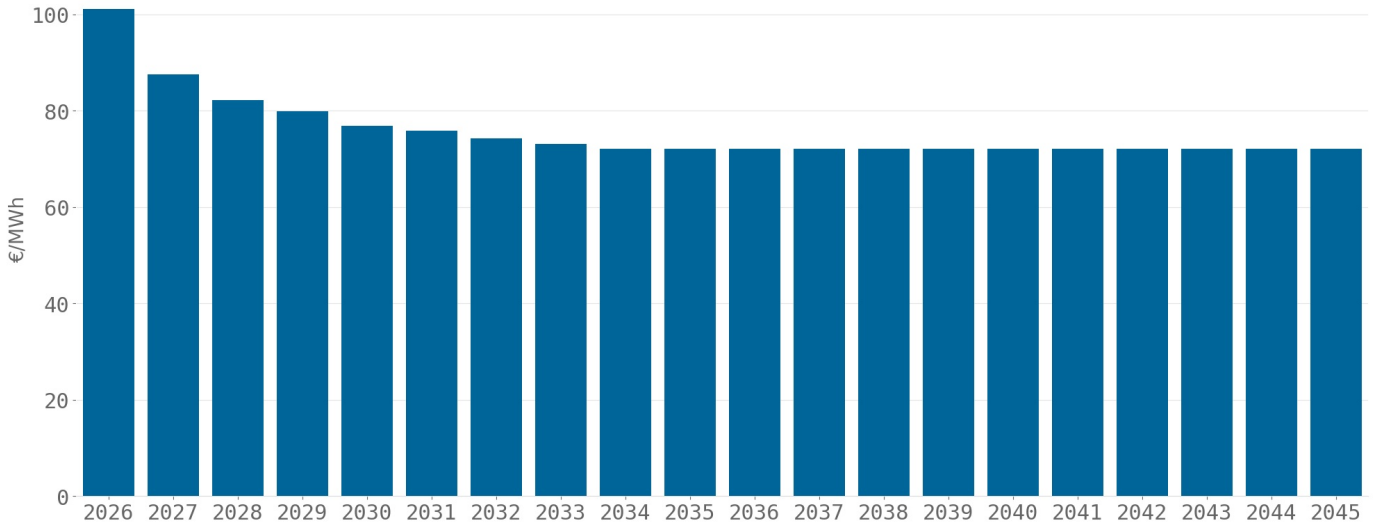
Membership fee

Registration [€]	
Yearly [€/year]	

Use of configuration's revenues

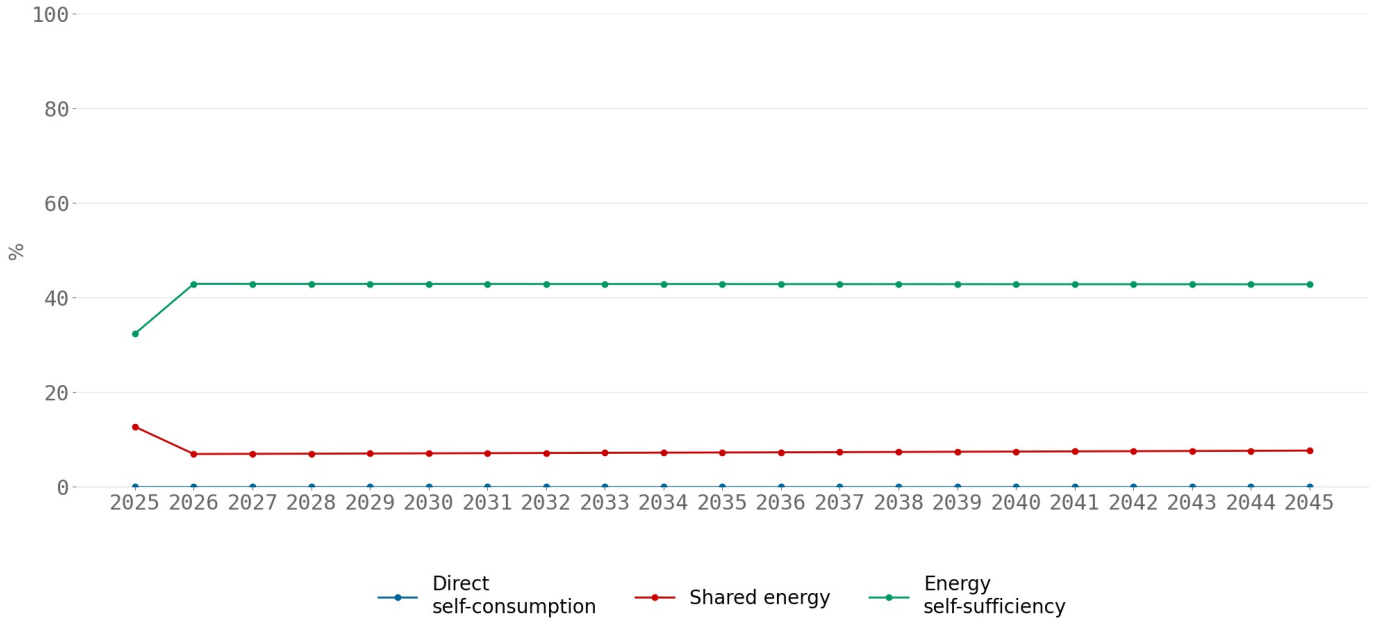
Calculation basis	none
Use percentage [%]	
Service supply percentage [%]	

Average yearly reference electricity prices

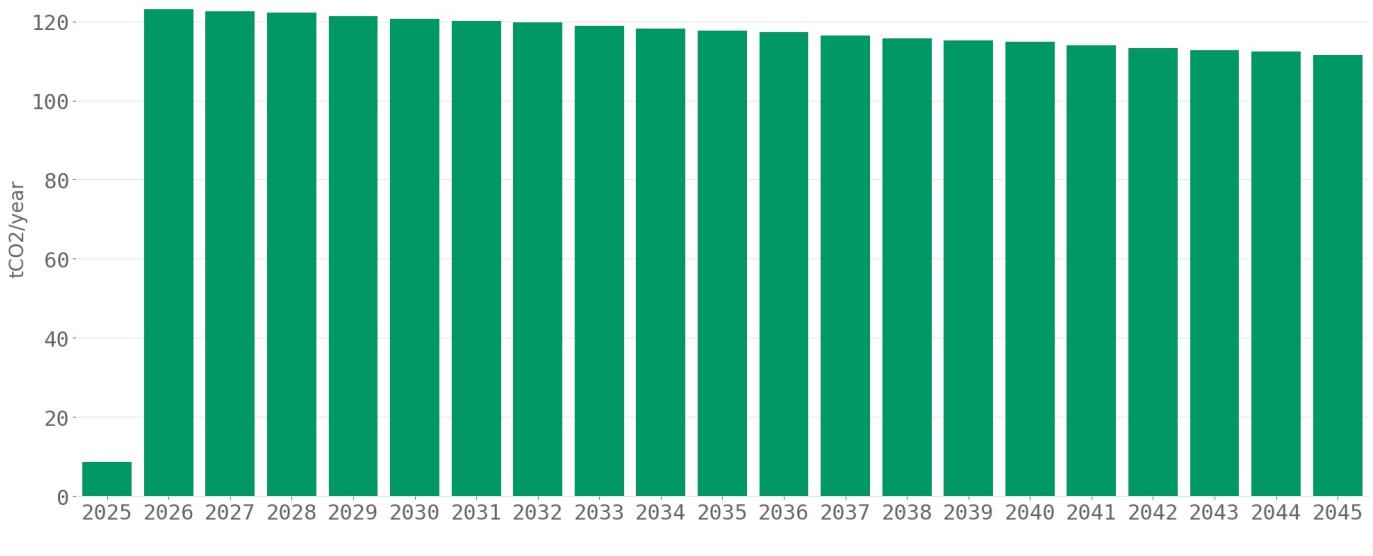


Risultati della simulazione

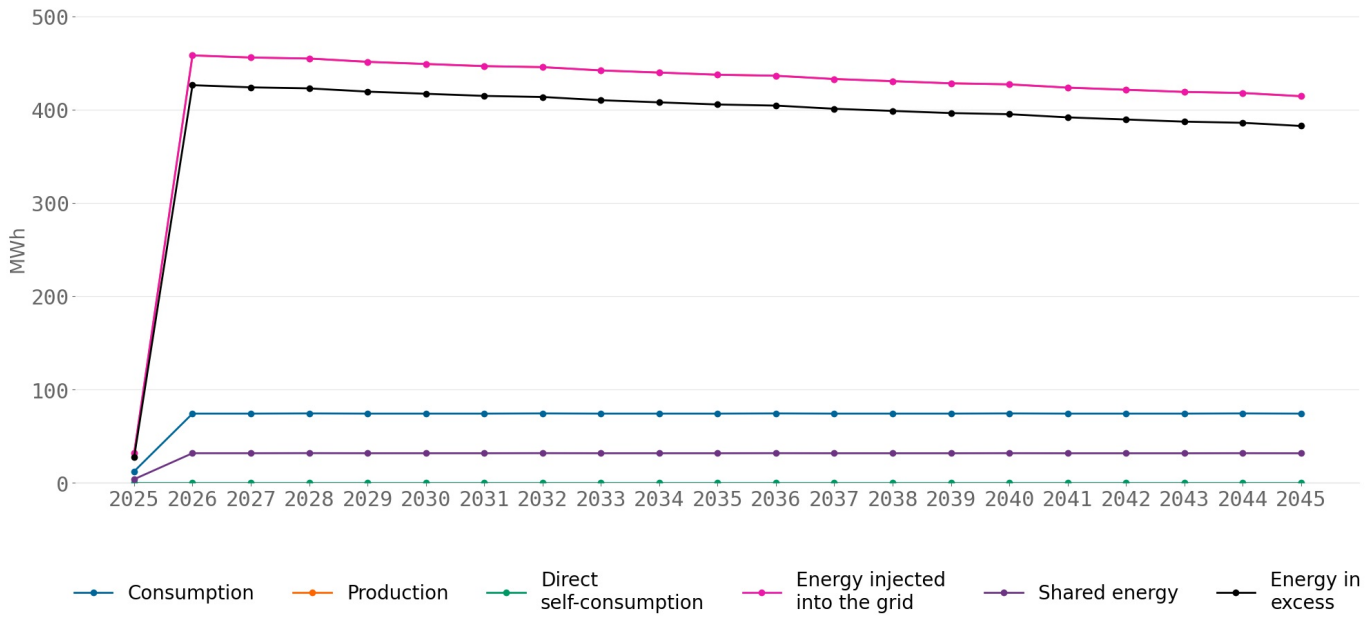
Configuration energy performance indexes



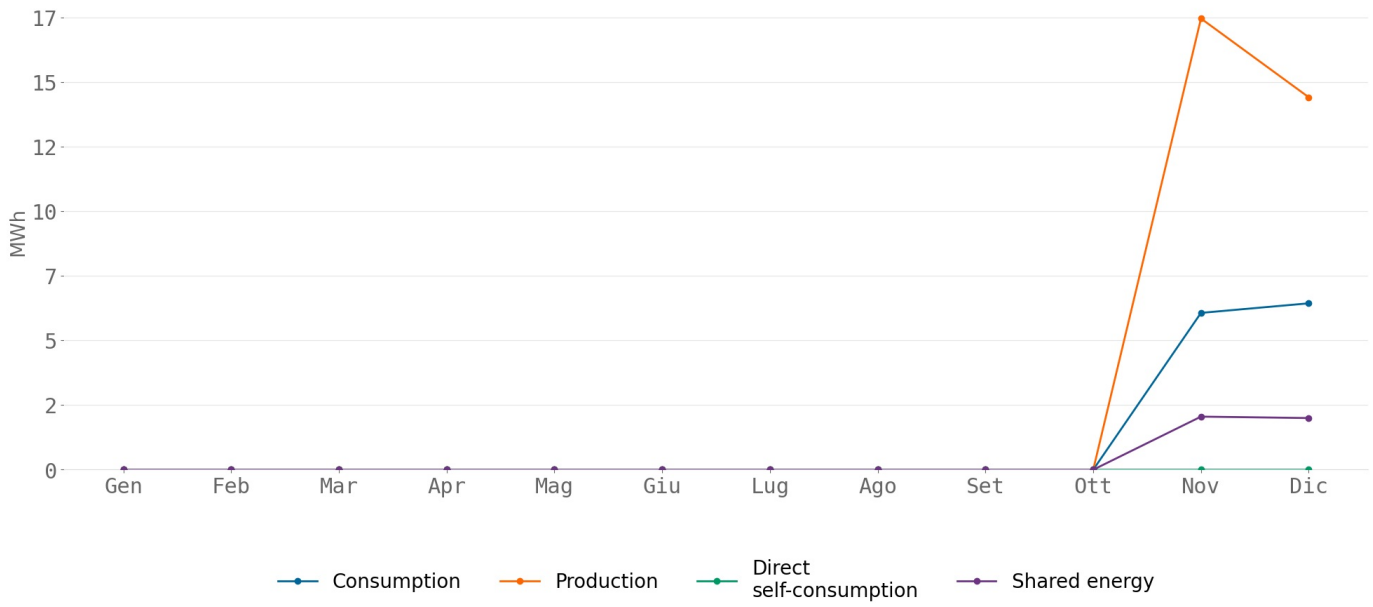
Yearly avoided CO2 emissions



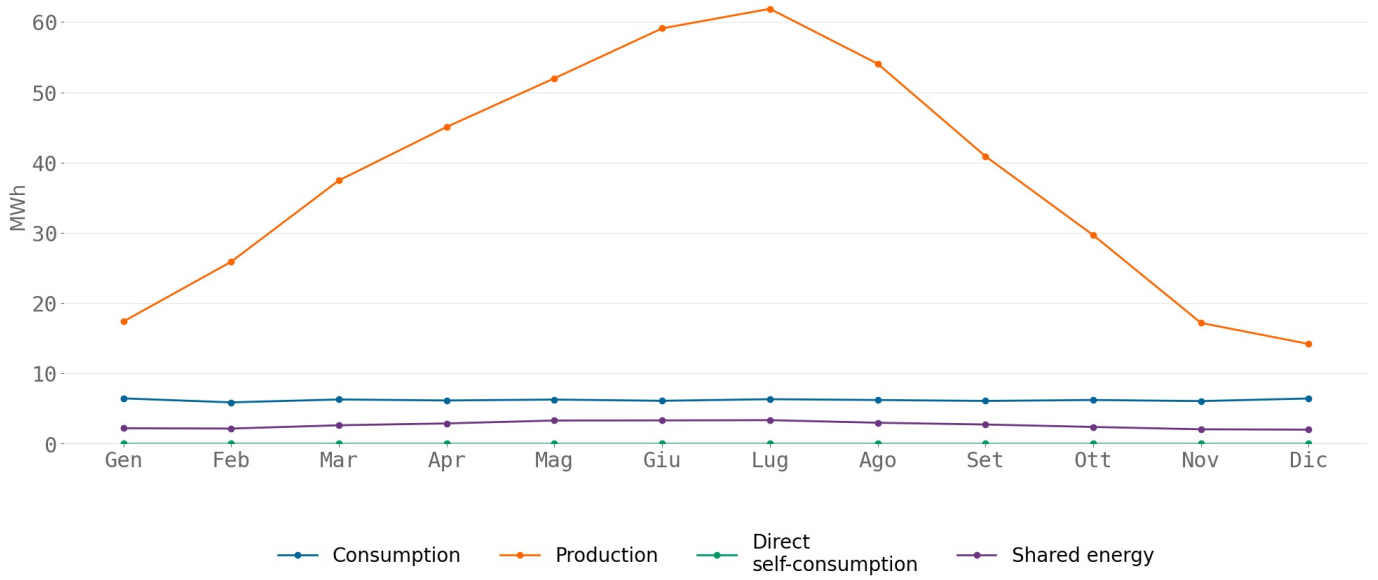
Yearly energy performance of configuration



Monthly energy performance of the configuration - year 2025



Monthly energy performance of the configuration - year 2028



Power plants available in the configuration

Total photovoltaic area
2000,0
m2

Total photovoltaic power
400,0
kW

Total hydroelectric power
0,0
kW

Total wind power
0,0
kW

Share of power from existing power plants (in operation before 12/16/2021)
0,0
%

Share of power eligible for incentive
100,0
%

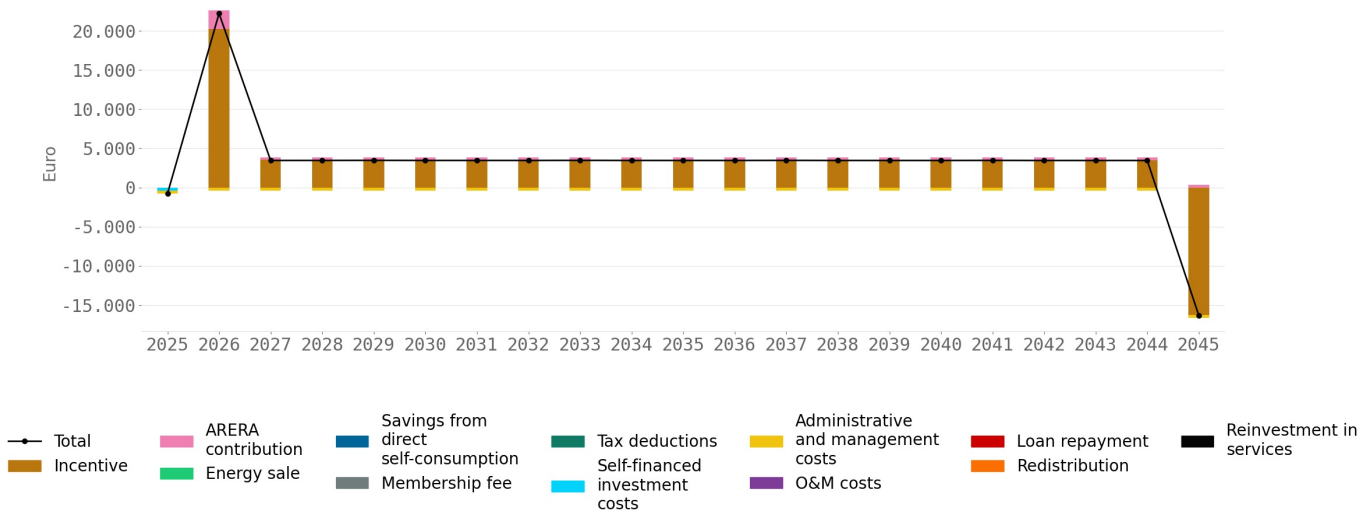
Financial performance indexes

NPV over 20 years
52650,9
euro

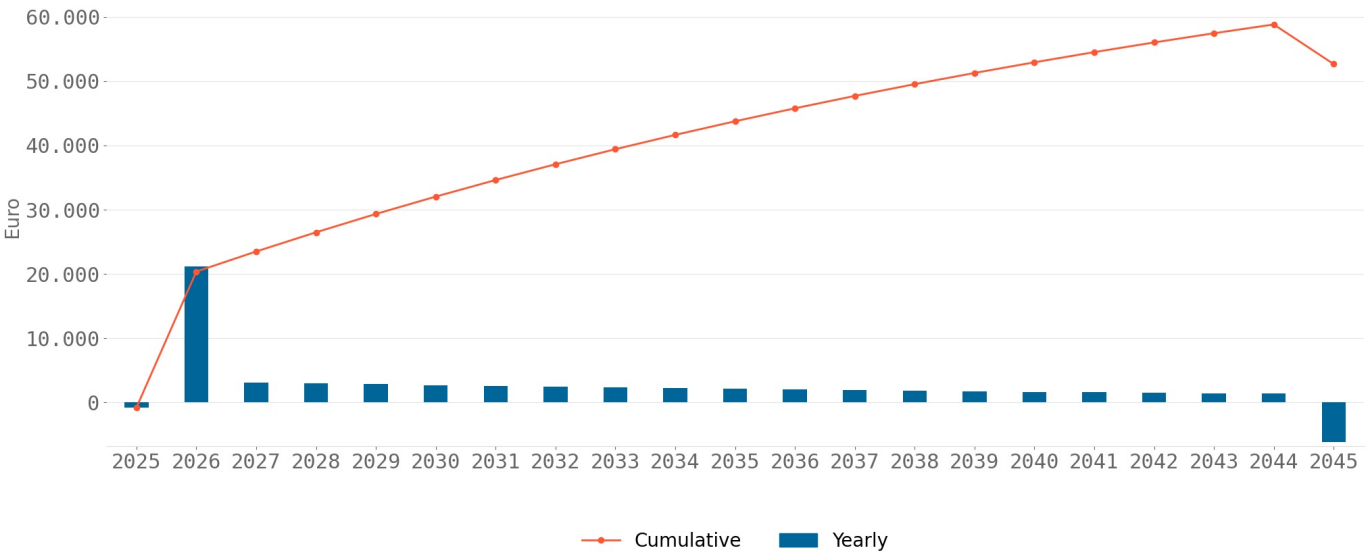
Internal Rate of Return
2710,3
%

WACC
5,0
%

Non-discounted cashflows by type



Discounted cashflows



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