

Sheet: prova_4_cer_2d1_clone

Configuration personal data

Sheet name	prova_4_cer_2d1_clone
Type	Renewable Energy Community
Status	to be constituted
City (Province)	Campertogno (VC)

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)
cer	REC	cer_pod	1	0	producer		PV (2)
paolo	citizen	ab_pod	1	4	consumer	residential	
falegname	SME	falegnameria	1	1	prosumer	industrial	PV (2)
falegname	SME	ufficio	1	0	consumer	office	
falegname	SME	fal_fv	1	0	producer		PV (1)
falegname	SME	showroom	1	14	consumer	commercial	
esco	third-party producer (ESCo Referent)	esco_pod	1	0	prosumer	industrial	PV (1)

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

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)
scuola_privata	research or training institution	aule	1	3	prosumer	school	PV (1)
parrocchia	religious institution	parroco	1	1	prosumer	residential	PV (1)
fffff	citizen	bgtrgnfd	1	0	consumer	residential	

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

Photovoltaic power plants

User name (POD name)	cer (cer_pod)	cer (cer_pod)	falegname (falegnameria)	falegname (falegnameria)
Production unit	1	2	1	2
Producer *	cer	cer	falegname	falegname
Owner	same as producer	same as producer	same as producer	-
Plant status	not operational	not operational	operational	not operational
Commissioning date	08-02-2025	14-03-2025	14-03-2024	24-08-2024
Eligible for incentives	yes	yes	no	yes
Already incentivized under Art. 42 bis DL 162/2019	no	no	no	no
Power [kW]	10	20	50	100
Mandatory power [kW]			10	
Installation type	building	building	on ground	building
Exposure 1 - power / tilt / orientation	10 kW / 23° / 0°	10 kW / 31° / -48°	50 kW / 23° / 0°	100 kW / 23° / 0°
Exposure 2 - power / tilt / orientation		10 kW / 23° / 37 °		
Electricity selling strategy	Dedicated Withdrawal	Dedicated Withdrawal	Dedicated Withdrawal	Dedicated Withdrawal
Electricity price in free market [cent €/kWh]				
RID transferred to configuration	no	no	no	no
Yearly O&M costs [€/kW/year]	19	17		15
Extraordinary O&M costs [€/kW]	150	132		139

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

Photovoltaic power plants

User name (POD name)	falegname (fal_fv)	esco (esco_pod)	scuola_privata (aule)	parrocchia (parroco)
Production unit	1	1	1	1
Producer *	falegname	esco	scuola_privata	parrocchia
Owner	other ESCo	same as producer	REC	same as producer
Plant status	not operational	not operational	not operational	operational
Commissioning date	17-04-2026	20-02-2025	22-08-2024	13-04-2023
Eligible for incentives	yes	yes	partially **	no
Already incentivized under Art. 42 bis DL 162/2019	no	no	no	no
Power [kW]	100	900	40	10
Mandatory power [kW]		0	5	0
Installation type	on ground	building	building	building
Exposure 1 - power / tilt / orientation	100 kW / 23° / 0°	900 kW / 23° / 0°	40 kW / 23° / -32°	10 kW / 23° / 0°
Exposure 2 - power / tilt / orientation				
Electricity selling strategy	Dedicated Withdrawal	Dedicated Withdrawal	Dedicated Withdrawal	Dedicated Withdrawal
Electricity price in free market [cent €/kWh]				
RID transferred to configuration	no	no	no	no
Yearly O&M costs [€/kW/year]			21	
Extraordinary O&M costs [€/kW]			132	

* Si assume che il produttore coincida con l'utente.

** Qualora l'impianto acceda al superbonus può essere incentivata solo la potenza eccedente i 20 kW. La potenza d'obbligo non é incentivabile.

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

Power plants - investment

User name (POD name)	parrocchia (parroco)	falegname (falegnameria)	scuola_privata (aule)	falegname (falegnameria)
Plant technology	photovoltaic	photovoltaic	photovoltaic	photovoltaic
Production unit	1	1	1	2
Commissioning date	13-04-2023	14-03-2024	22-08-2024	24-08-2024
Investment type			at REC's expense	financial lease
Unitary investment cost [€/kW]			1400 (CER)	
Total investment [€]			56000 (CER)	
Loan: share of investment costs [%]			90	
Loan: interest rate [%]			3	
Loan: duration [years]			10	
Fee: type			fixed monthly	fixed monthly
Fee: value			200 €/mese	200 €/mese
Fee: duration [years]			20	10
Final installment [€]				0
TAN [%]				
EU subsidies	none	none	none	none
EU subsidy percentage				
Maximum reference cost [€/kW]				
Other non-EU subsidies	no	no	no	no
Non-EU subsidy percentage				
Maximum reference cost [€/kW]				
Subsidy percentage (for third-party producers)				
Tax deductions	no	no	no	no
Tax deductions rate				
Superbonus	no			

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

Power plants - investment

User name (POD name)	cer (cer_pod)	esco (esco_pod)	cer (cer_pod)	falegname (fal_fv)
Plant technology	photovoltaic	photovoltaic	photovoltaic	photovoltaic
Production unit	1	1	2	1
Commissioning date	08-02-2025	20-02-2025	14-03-2025	17-04-2026
Investment type	equity		loan	operating lease
Unitary investment cost [€/kW]	1200		1300	
Total investment [€]	12000		26000	
Loan: share of investment costs [%]			100	
Loan: interest rate [%]			4	
Loan: duration [years]			10	
Fee: type				fixed monthly
Fee: value				100 €/mese
Fee: duration [years]				10
Final installment [€]				5000
TAN [%]				
EU subsidies	NRRF M2C2 I1.2	none	none	none
EU subsidy percentage	30			
Maximum reference cost [€/kW]	1500			
Other non-EU subsidies	yes	no	no	no
Non-EU subsidy percentage	10			
Maximum reference cost [€/kW]	1500			
Subsidy percentage (for third-party producers)		20		
Tax deductions		no		no
Tax deductions rate				
Superbonus				

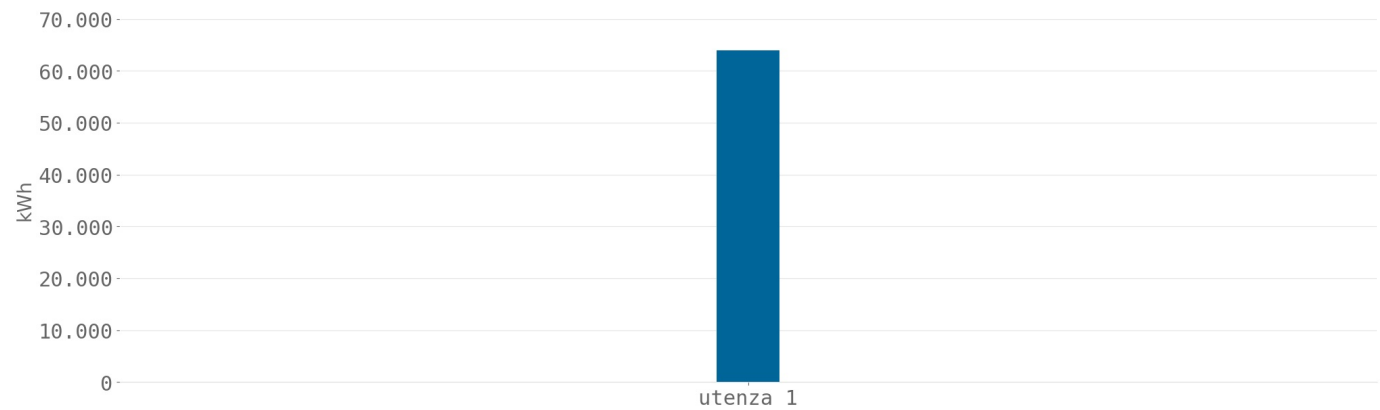
N.B. Gli impianti/UP sono ordinati per data di entrata in esercizio crescente.
Eventuali dati indicati in grigio sono stimati.

End customers

Username	POD name	Type	Power meter [kW]	Withdrawal availability	Final use	Electric energy price * [cent €/kWh]
paolo	ab_pod	consumer	3	yearly	residential	
falegname	falegnameria	prosumer	MT 15 - 100	monthly	industrial	14,0
falegname	ufficio	consumer		yearly, by ARERA time bands	office	
falegname	showroom	consumer		yearly, by ARERA time bands	commercial	
esco	esco_pod	prosumer	MT 15 - 100	yearly	industrial	9,0
scuola_privata	aule	prosumer	BT <= 15	yearly, by ARERA time bands	school	11,0
parrocchia	parroco	prosumer	5 - 6	yearly	residential	12,0
fffff	bgtrgnfd	consumer	< 3	n.d.	residential	

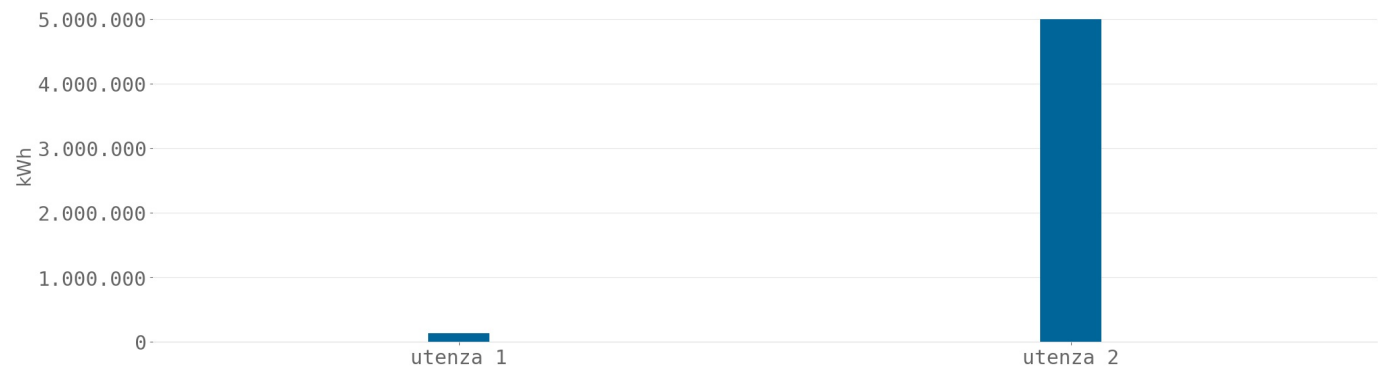
* Valore della quota energia (in euro/kWh) per la voce "spesa per la materia energia" ricavabile dalla bolletta, IVA esclusa.
N.B. Eventuali dati indicati in grigio sono stimati.

Annual withdrawals - Commercial utilities



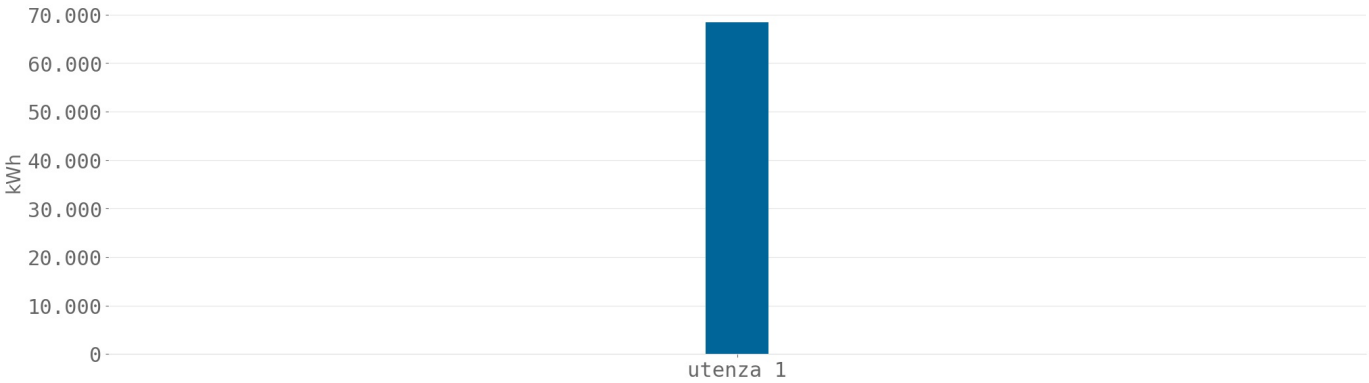
utenza 1: falegname (showroom)

Annual withdrawals - Industrial utilities



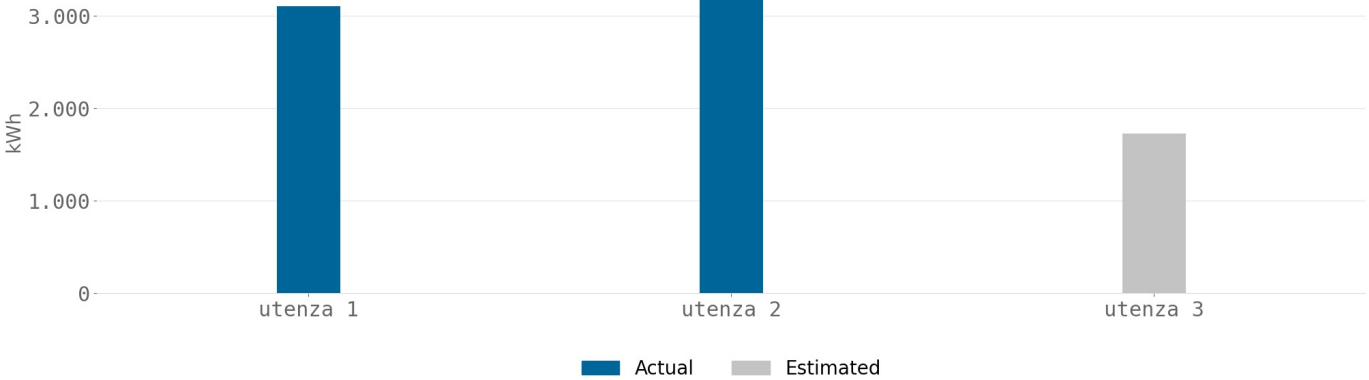
utenza 1: falegname (falegnameria)
utenza 2: esco (esco_pod)

Annual withdrawals - Office utilities



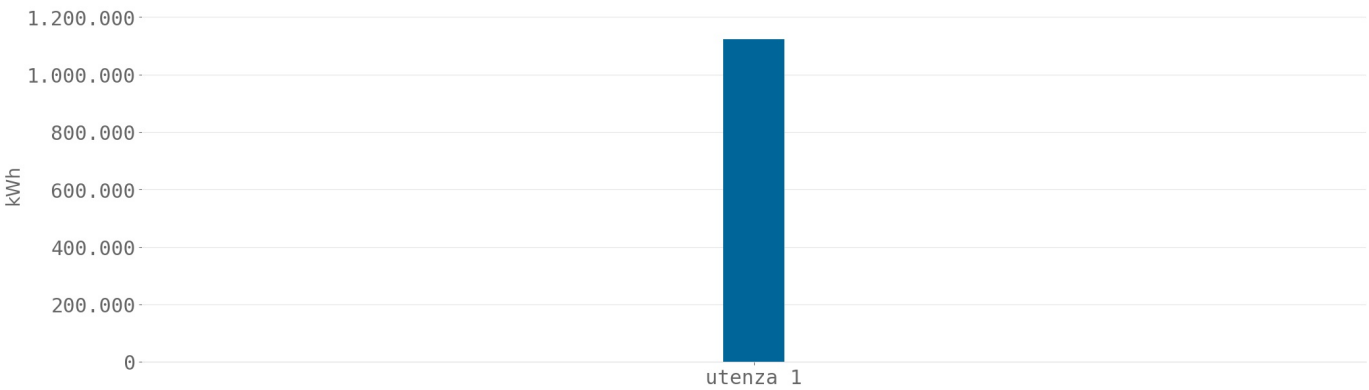
utenza 1: falegname (ufficio)

Annual withdrawals - Residential utilities



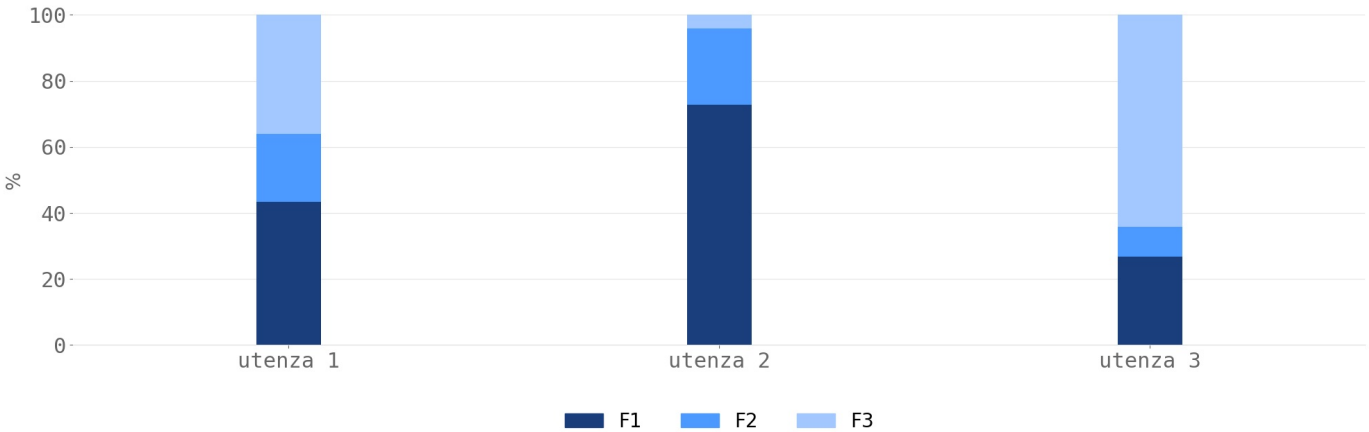
utenza 1: paolo (ab_pod)
utenza 2: parrocchia (parroco)
utenza 3: ffffff (bgtrgnfd)

Annual withdrawals - School utilities



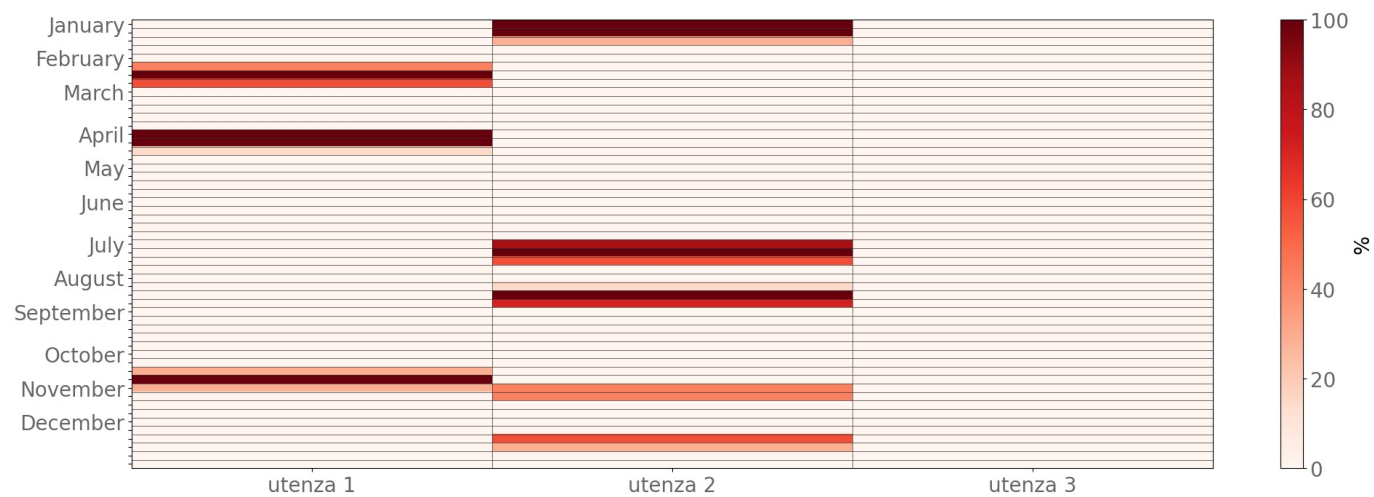
utenza 1: scuola_privata (aule)

Distribution by activity hours



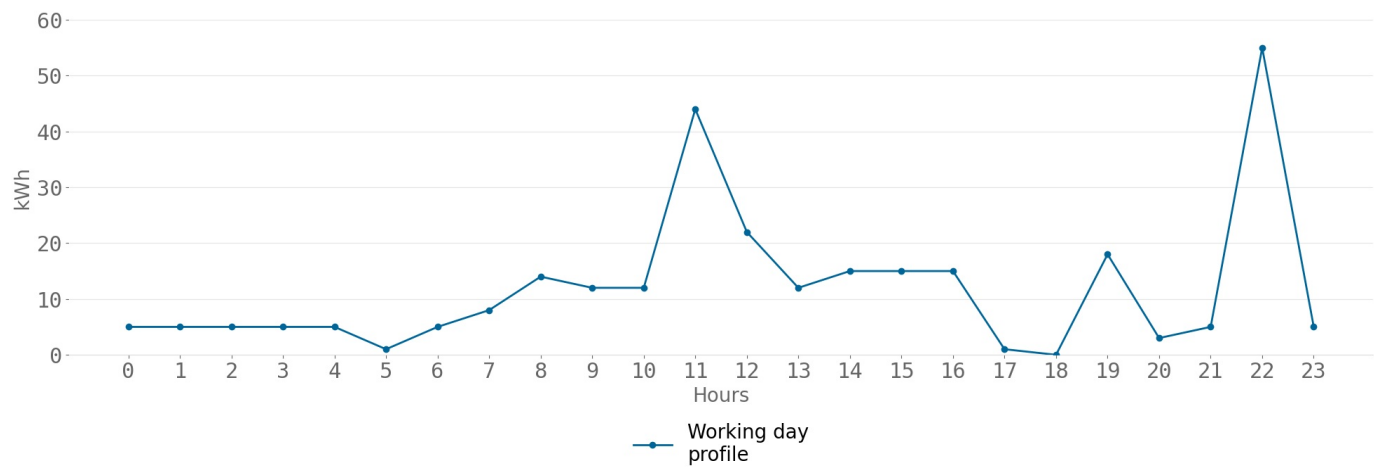
utenza 1: falegname (showroom)
utenza 2: falegname (ufficio)
utenza 3: scuola_privata (aule)

Weekly percentage of closing or non-activity days

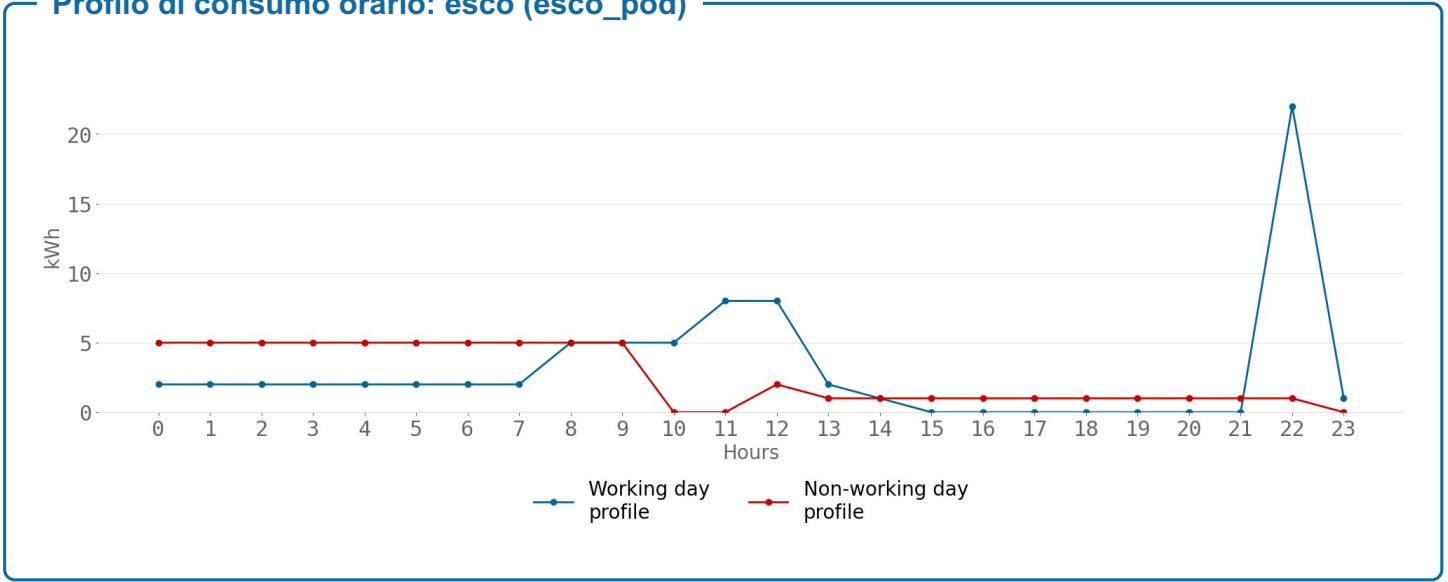


utenza 1: falegname (showroom)
utenza 2: falegname (ufficio)
utenza 3: scuola_privata (aule)

Profilo di consumo orario: falegname (falegnameria)



Profilo di consumo orario: esco (esco_pod)



Power plant parameters

Extraordinary maintenance frequency [years]:	
- Photovoltaic	11
- Wind	
- Hydroelectric	
Photovoltaic module efficiency reduction [%/year]	0,35

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	0,1 €/kWh (su autoconsumo)
Measuring devices [€/unit]	0
Monitoring system [€/year/POD]	0

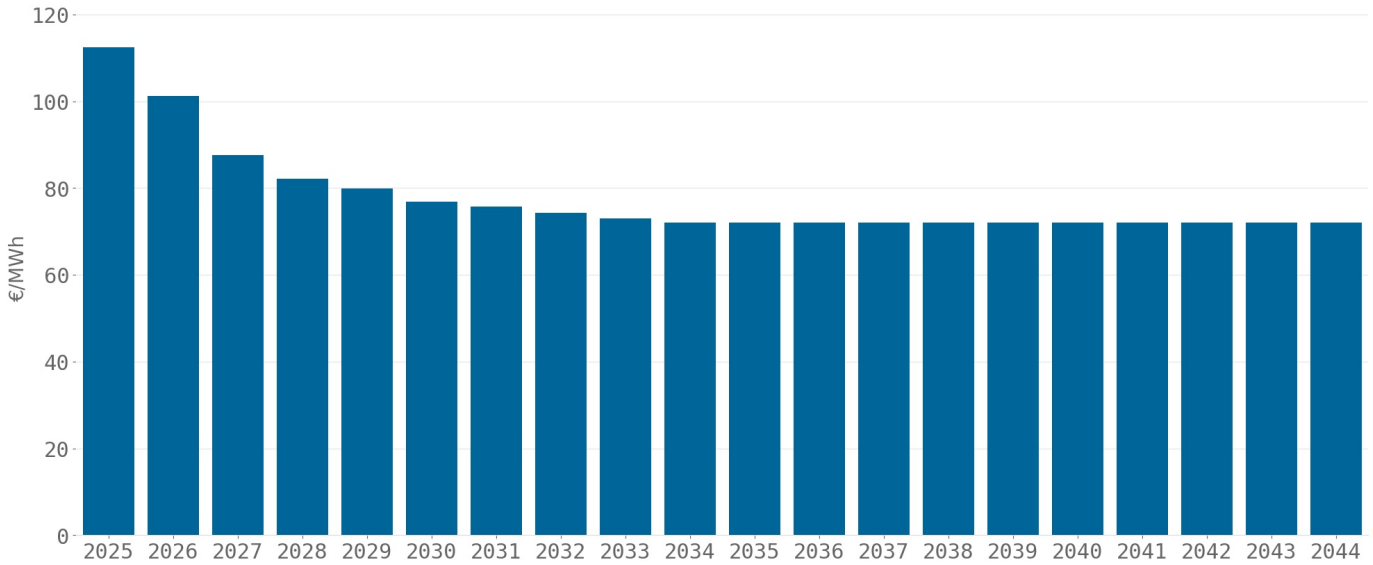
Membership fee

Registration [€]	25
Yearly [€/year]	0

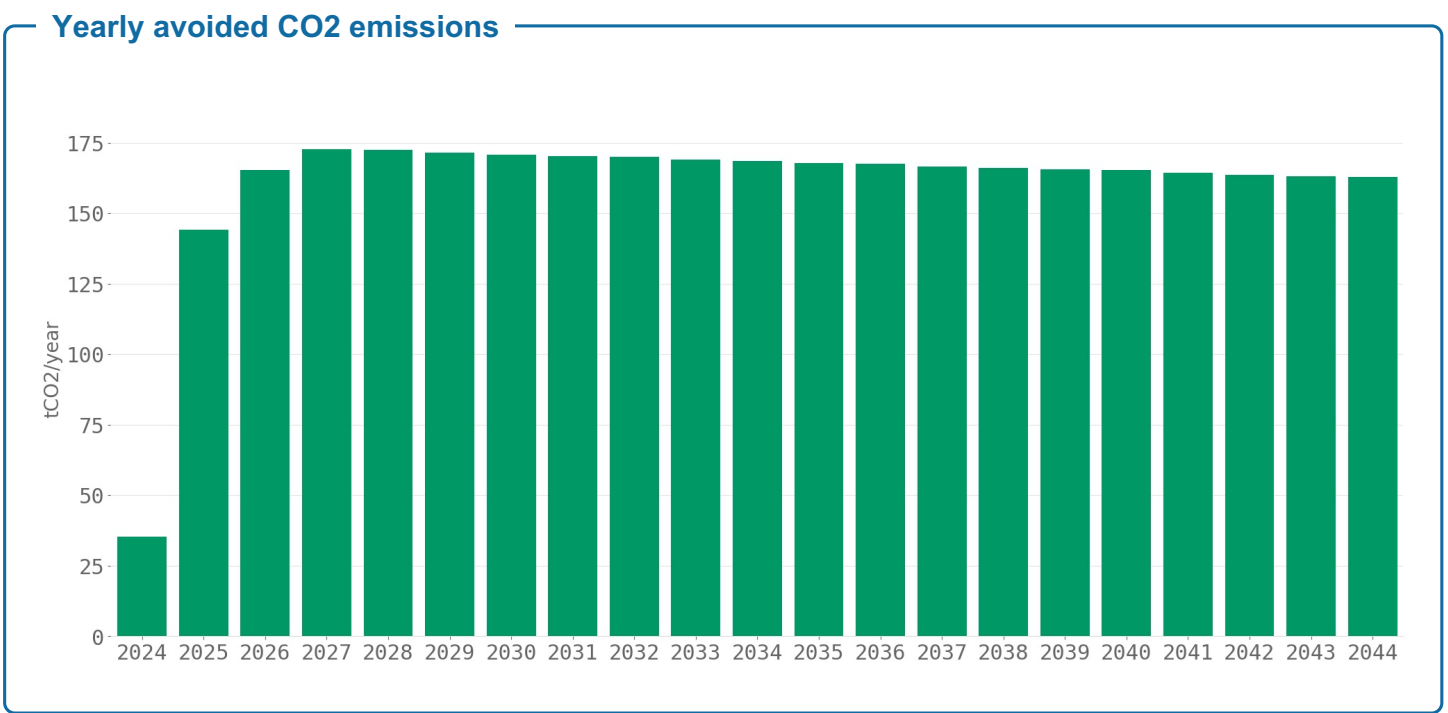
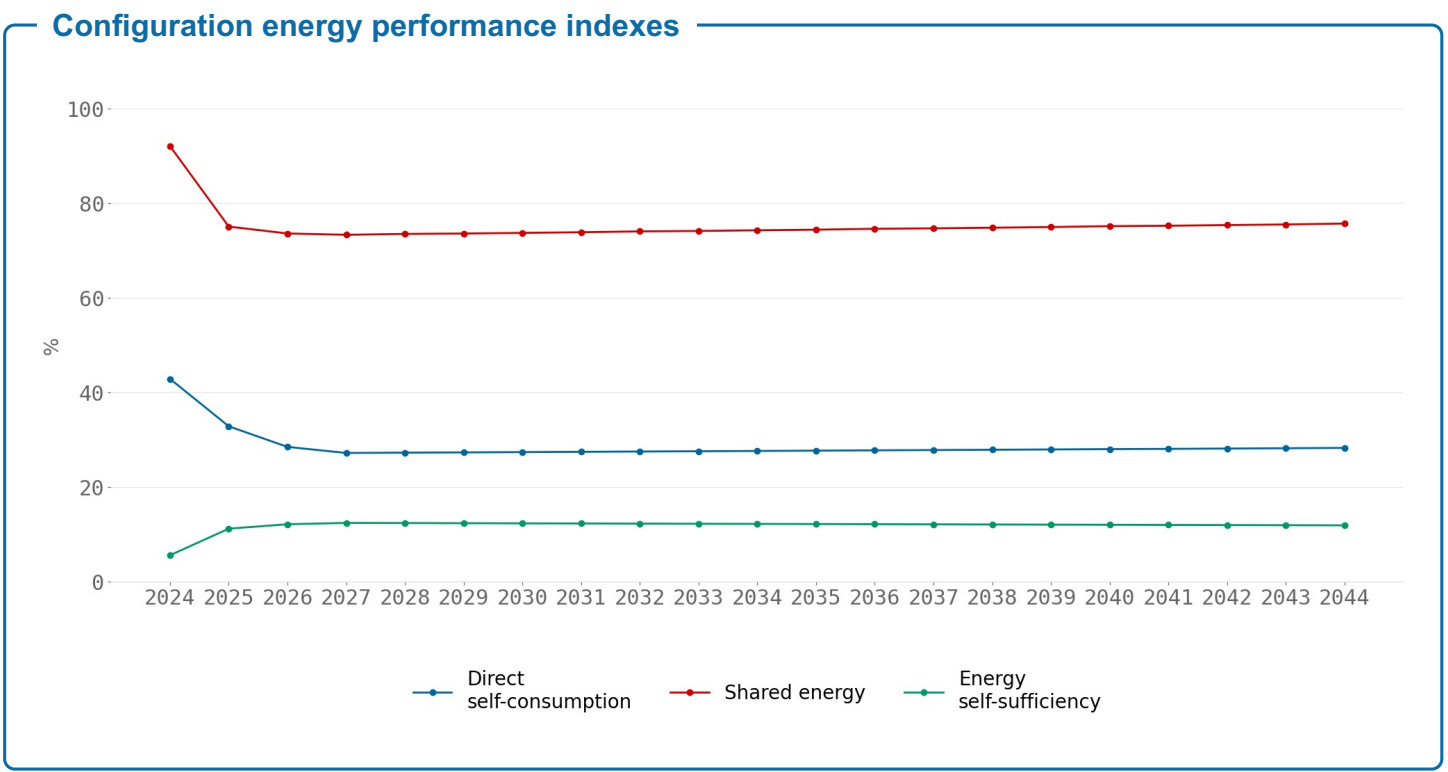
Use of configuration's revenues

Calculation basis	Incentive and refund of charges
Use percentage [%]	100
Service supply percentage [%]	0

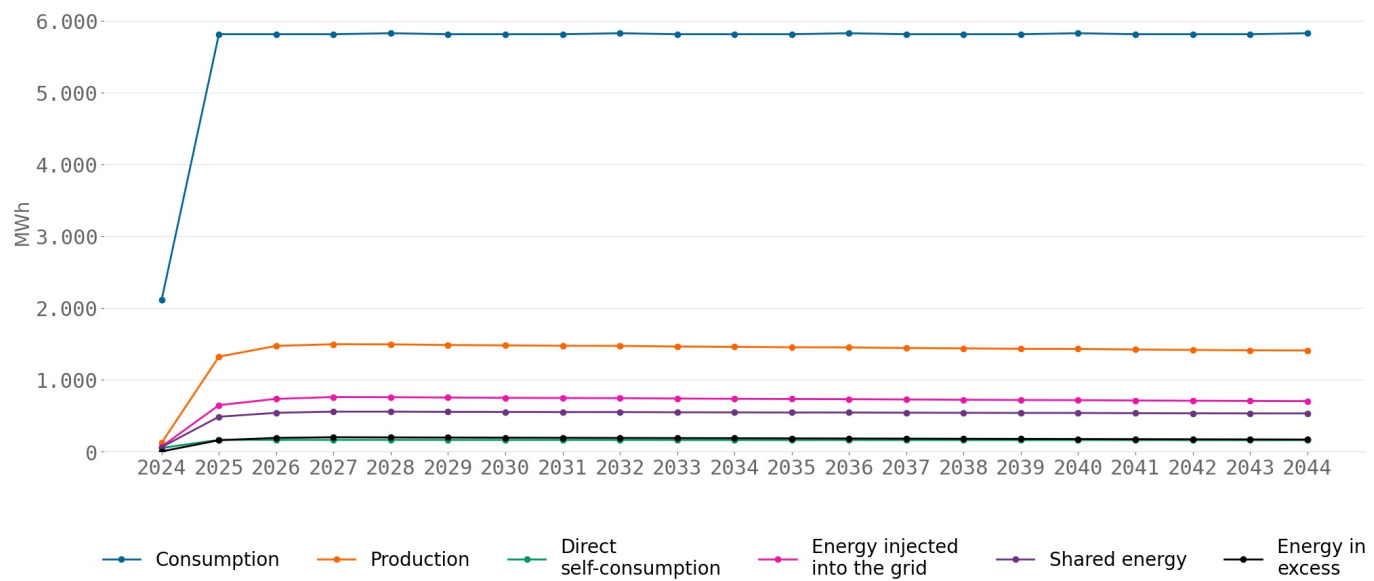
Average yearly reference electricity prices



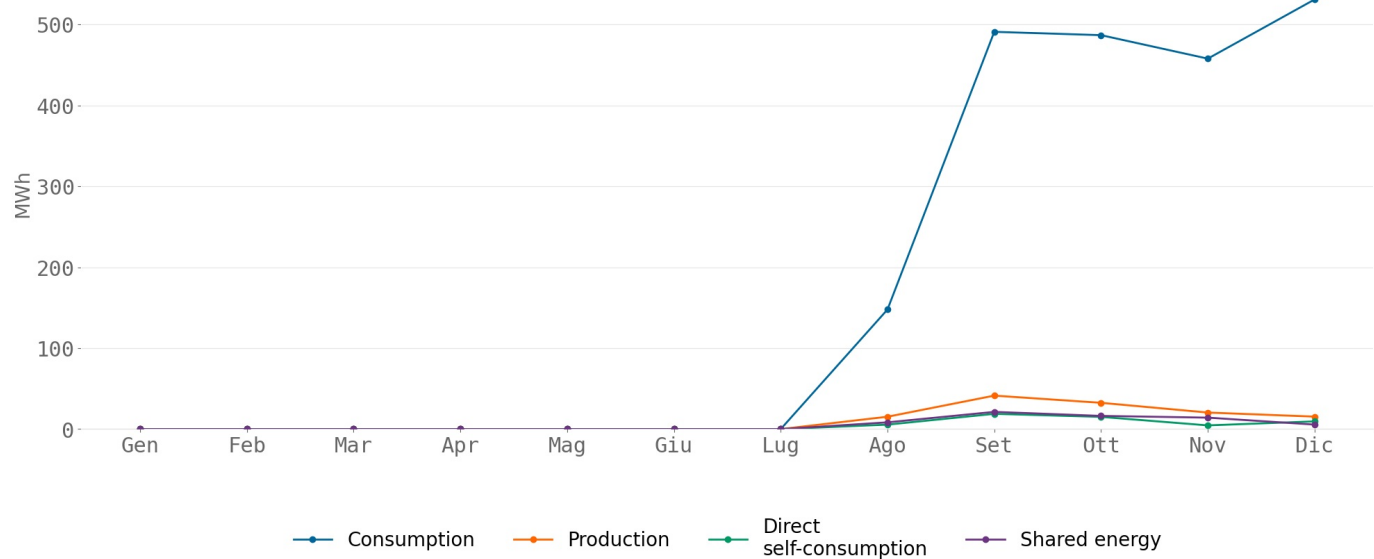
Risultati della simulazione



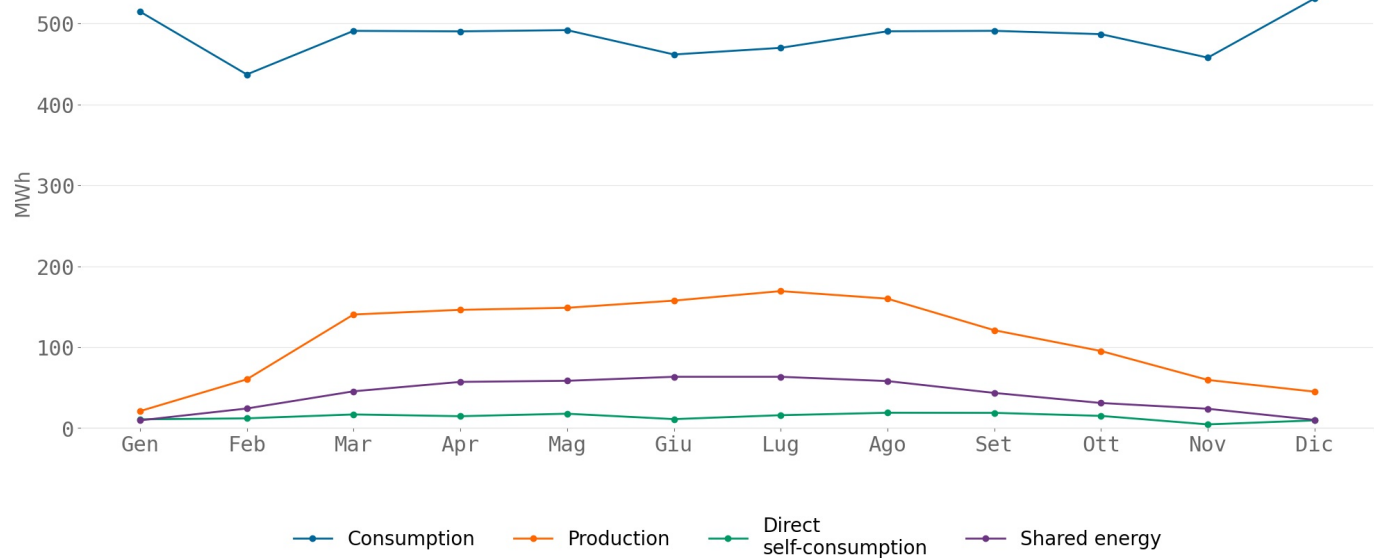
Yearly energy performance of configuration



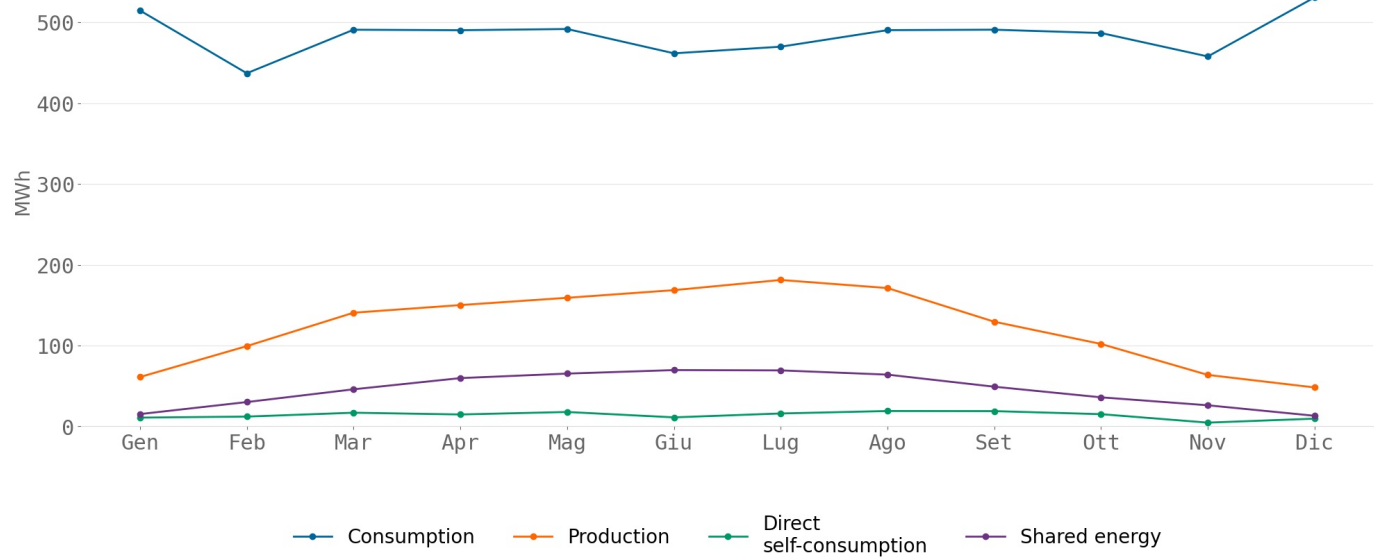
Monthly energy performance of the configuration - year 2024



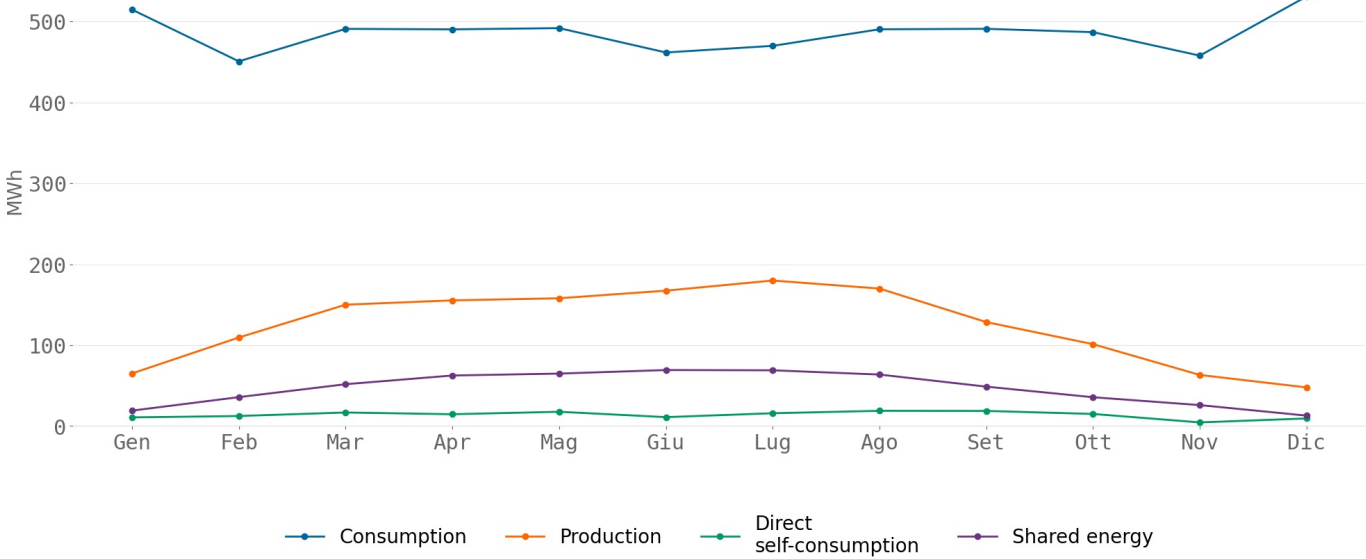
Monthly energy performance of the configuration - year 2025



Monthly energy performance of the configuration - year 2026



Monthly energy performance of the configuration - year 2028



Power plants available in the configuration

Total photovoltaic area	Total photovoltaic power	Total hydroelectric power	Total wind power
7550,0 m2	1510,0 kW	0,0 kW	0,0 kW
Share of power from existing power plants (in operation before 12/16/2021)	Share of power eligible for incentive		
0,0 %	90,7 %		

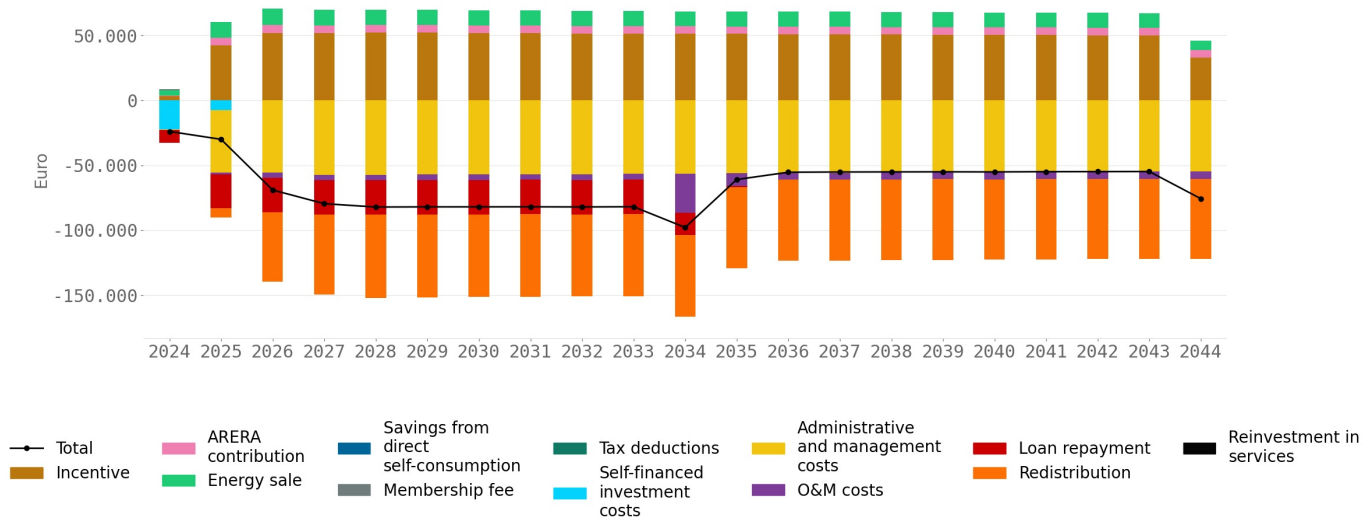
Configuration costs of investment

Initial costs	Loan	Equity	NRRF subsidy
262000,0 euro	227600,0 euro	29600,0 euro	3600,0 euro
Other EU subsidies	Other non-EU subsidies	Tax deductions	
0,0 euro	1200,0 euro	0,0 euro	

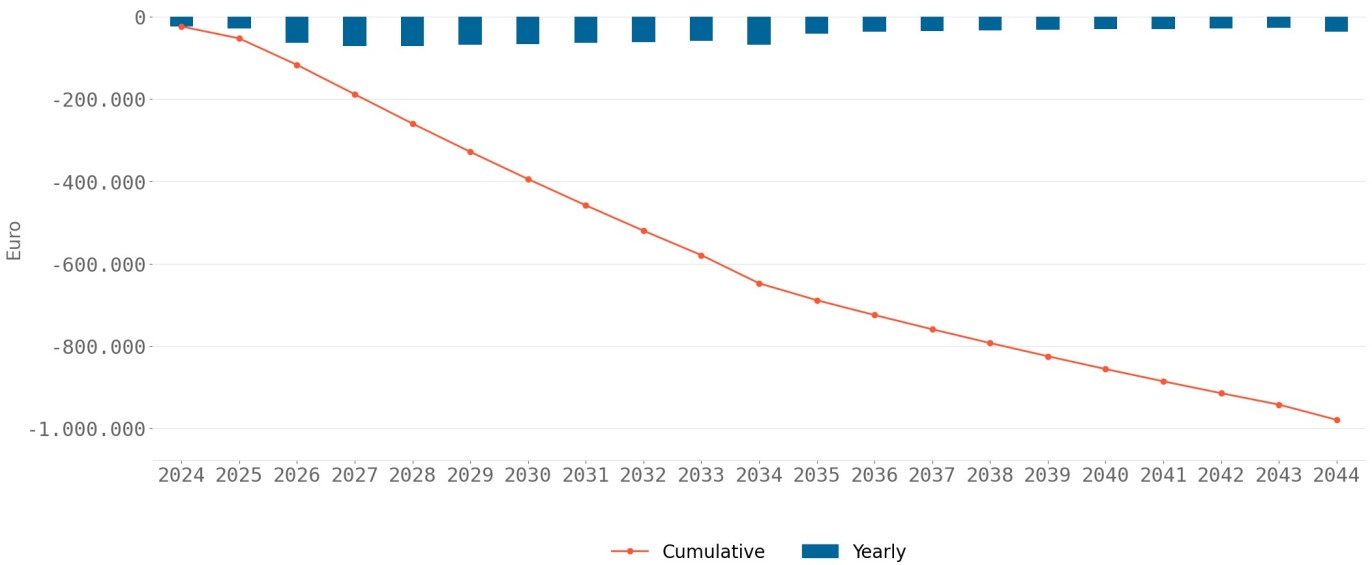
Financial performance indexes

NPV over 20 years	Internal Rate of Return	WACC	Loan interest
-978967,0 euro	N.A.	3,7 %	51228,4 euro

Non-discounted cashflows by type



Discounted cashflows



Liability limitations

RECON performs preliminary economic-financial simulations considering the potential contribution of public grants, incentives, and tax deductions. The estimates do not take into account any additional constraints set by the regulations governing the recognition of incentives, public grants, and tax deductions, which will be evaluated and subject to checks by the competent authorities according to the law, exclusively within the admission and control procedures, to be carried out in accordance with the relevant regulations. The results of RECON cannot be used in any way to make any claims against such authorities, including regarding the outcomes of the aforementioned procedures, nor can they be considered as verification of the requirements for accessing these incentives, grants, and tax deductions, nor can they create any expectation in this regard.