



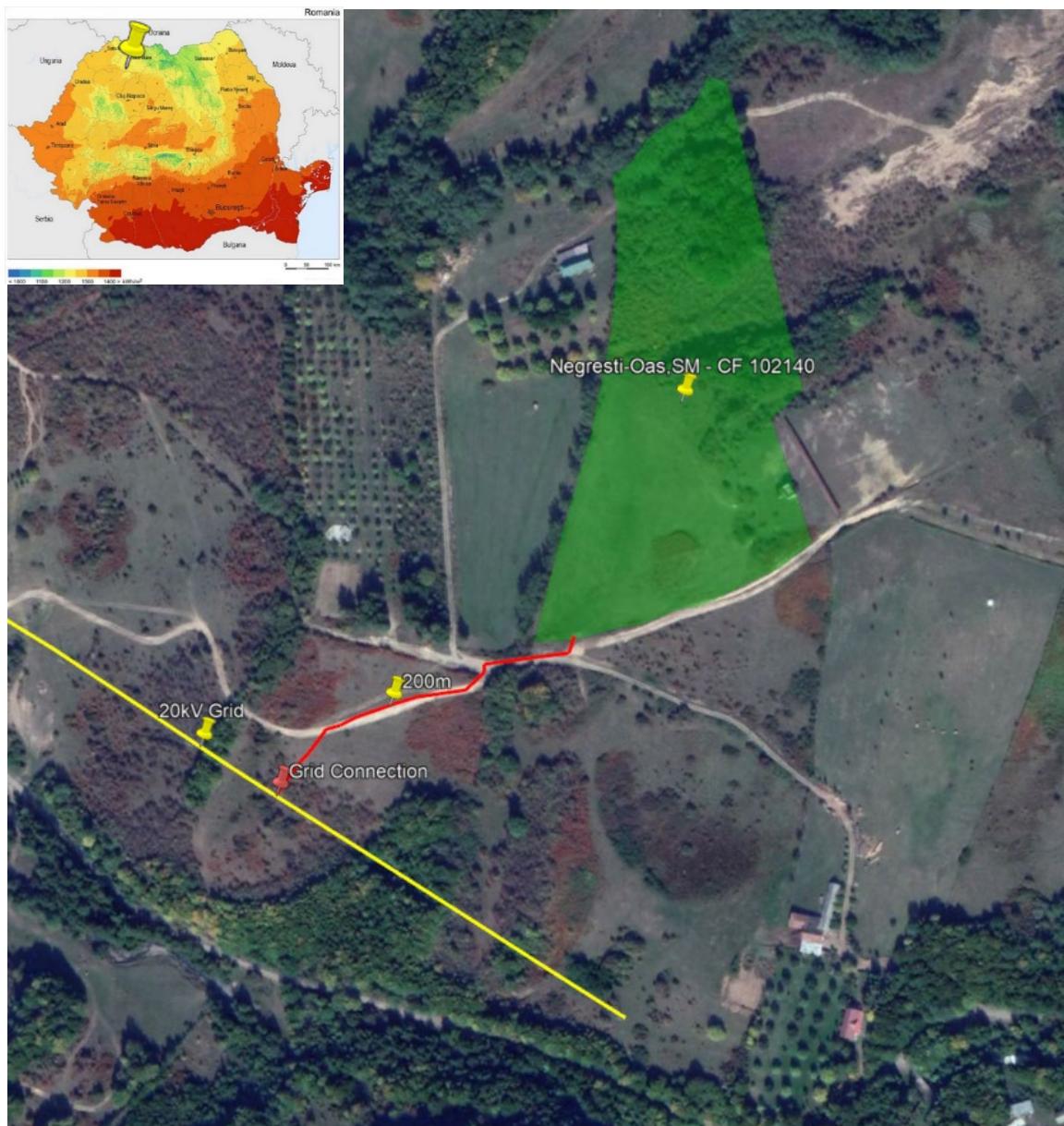
PV Park

Project: Negresti-Oas, SM

Land Surface: 2.56 Ha

Installed PV Power: 1.705 MWp

Maximum Power Output to Grid: 1.5 MW





Curves Level





Layout Photovoltaic Park





PV Productions

Peak power: 1.7 MWp

Module surface: 6 977.2 m²

Total number of modules: 2 583

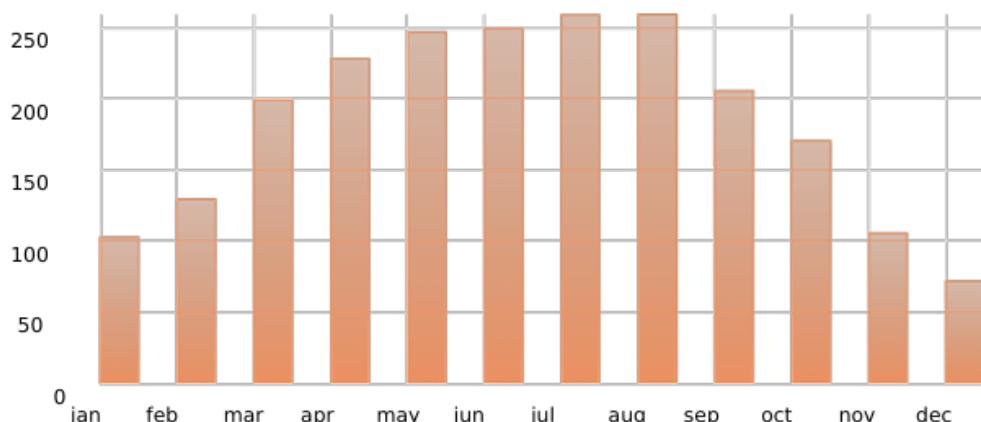
Total number of inverters: 17

Average values:

Annual production (DC): 2 377 MWh

Annual production (AC): 2 232 MWh

Monthly AC production (MWh/month):

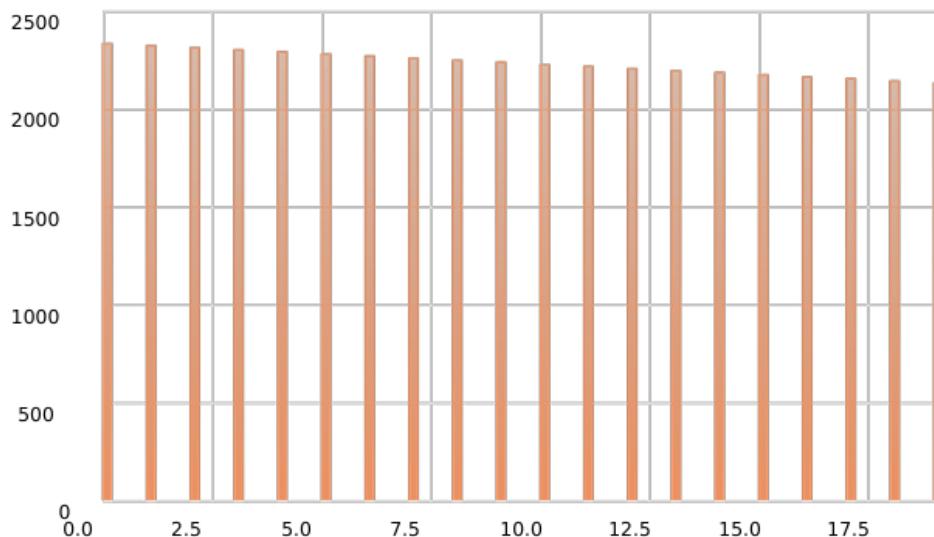


Months	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
MWh	103	130	200	229	247	250	259	260	206	171	106	72



Productions

AC production year by year (MWh):



Years	11	12	13	14	15	16	17	18	19	20
MWh	2 226	2 215	2 204	2 194	2 183	2 173	2 162	2 152	2 141	2 131

EMISSIONS AVOIDED: 893 CO₂ equivalent (ton) *

* Quantity of greenhouse gases that would have been emitted during the observation period if this electricity had been generated through conventional means (20 g eq CO₂/kWh)

* Important: this does not mean that all the emissions would be avoided, since the process of manufacturing and transporting PV modules also generates greenhouse gas emissions.



Economics

Costs:

Investment: 1.014 million EUR
 Inverter renewal: 118 743 EUR
 O and M: 1.00 %

Bank loan:

Amount: 1 014 475 EUR
 Interest rate: 3.50 %

Project type: Grid-connected

Energy sales price produced:

0.0600 EUR/kWh

Discounting:

Inflation rate: 2.00 %
 Equity rate: 3.00 %

Price evolution:

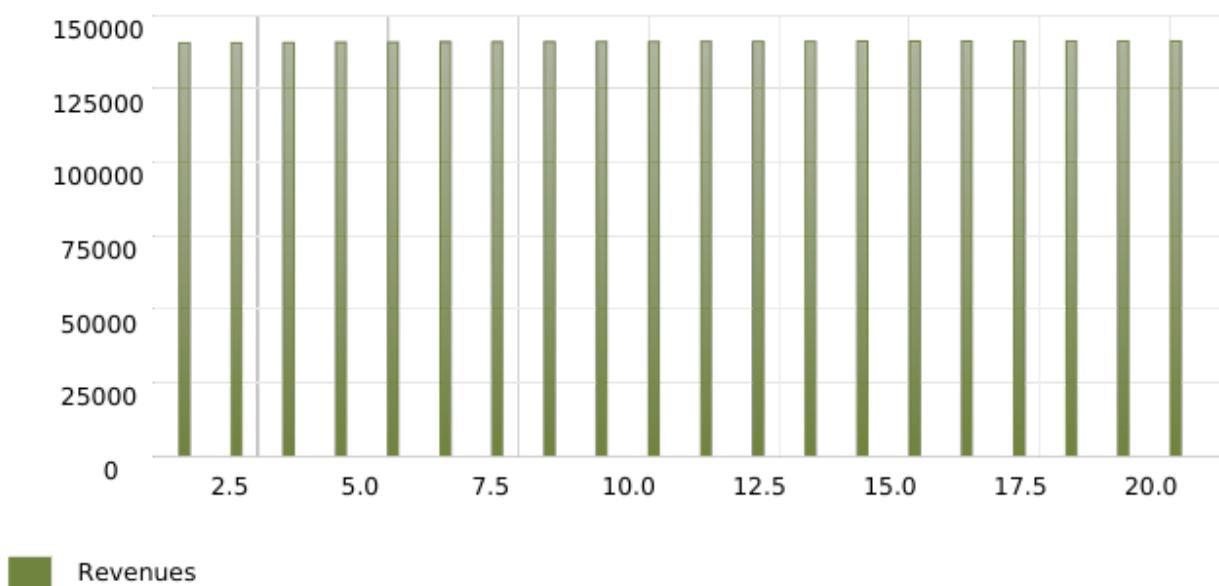
+ 0.5 %/year

Economic results:

Annual revenue: 141 021 EUR/year
 Cumulated revenues: 2.820 million EUR
 Maintenance cost: 12 571 EUR/year

LCOE: 0.034 EUR/kWh
 Net present value: 733 261 EUR
 Payback period: 8 year(s)
 Discounted payback period: 10 year(s)
 Internal rate of return: 10.70 %

Revenues year by year (EUR):





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opcom operatorul pieței de energie electrică și de gaze naturale din România

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Tranzacționare - Produse »

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Compania »

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Important pentru prosumatorii
Prețul mediu ponderat pe PZU pentru
august 2025: 409,45 leu/MWh

60 EUR / MWh
Price for 5-years average-PPA
(Public Purchase Agreement)

ROPEX_DAM_H

	1	2	3	4	5	6	7	8	9	10	11	12
ROPEX_DAM_Base	720,39	477,70	467,55	463,60	465,30	465,18	517,20	880,27	1.399,53	855,00	593,01	467,39
ROPEX_DAM_Peak	786,42	13	14	15	16	17	18	19	20	21	22	24
ROPEX_DAM_Off_Peak	654,36	413,25	406,34	443,30	462,11	545,36	874,78	1.769,40	2.162,00	884,87	688,65	600,00

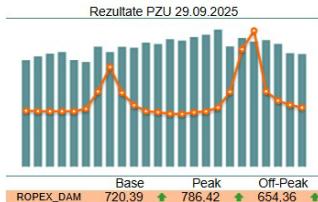
ROPEX_FM_M

	ian	feb	mar	apr	mai	iun	iul	aug	sep	oct	nov	dec
ROPEX_FM_2024	498,90	570,29	566,27	471,77	473,65	459,20	465,66	486,90	497,59	497,97	510,17	511,08
ROPEX_FM_2025	525,77	526,85	526,01	519,46	505,10	504,57	507,20	538,41	533,28	531,11	536,01	539,70
ROPEX_FM_2026	568,76	571,01	571,01	571,01	567,55	567,49	567,55	568,20	568,13	568,19	568,16	568,20

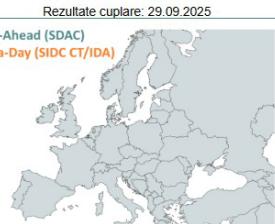
ROPEX_GC_M

	ian	feb	mar	apr	mai	iun	iul	aug	sep	oct	nov	dec
145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	
146,25	146,25	-	146,25	146,25	146,25	146,25	146,25	146,25	146,25	-	-	

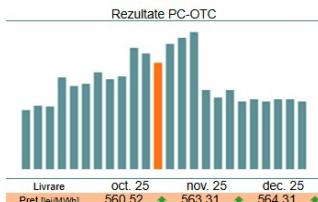
Resultate PZU 29.09.2025



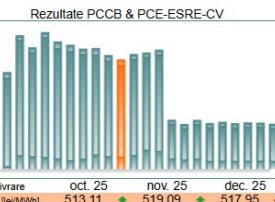
Resultate cuplare: 29.09.2025



Resultate PC-OTC



Resultate PCCB & PCE-ESRE-CV



Opcom Comunicate de presă

- 08/05/2025 A fost publicat: Anunț privind selectia membrilor Consiliului de administratie la Societatea Operatorul Piatai de Energie Electrica si de Gaze Naturale „OPCOM” S.A.
- 15/09/2025 Important: DECIZIA (UE) 2025/1771 A COMISIEI din 8 septembrie 2025 privind taxele datorate Agentiei Uniunii Europene pentru Cooperarea Autoritatilor de Reglementare din Domeniul Energiei
- 12/09/2025 Vă informăm că a fost avizată de către ANRE Procedura privind constituirea și actualizarea garanților financiare de către plătitorii de contribuție CfD și executarea garanților financiare
- 01/09/2025 În conformitate cu prevederile Ordinului ANRE nr. 15/2022, OPCOM publică prețul

Ştiri

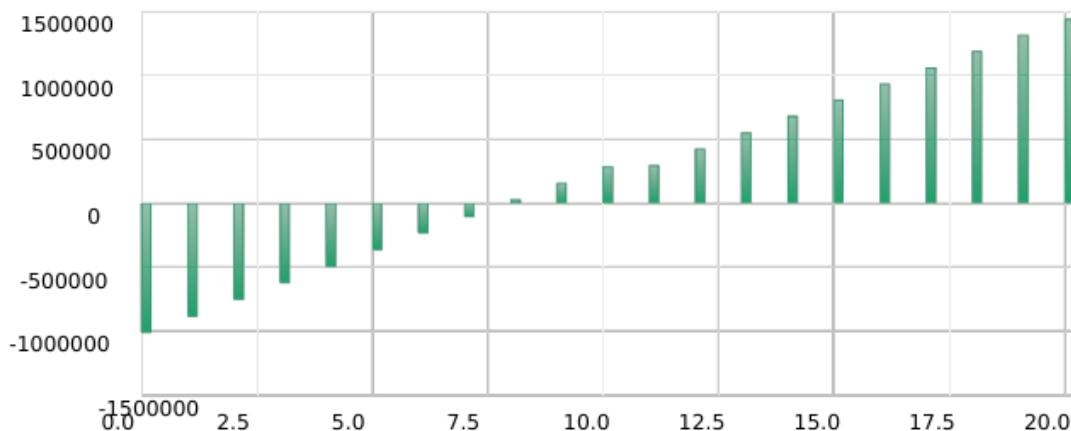
- 24/03/2025 Energyconomics: Maria De Melo (BERD) consideră piata de energie regenerabilă din România drept un model pentru Europa
- 10/03/2022 Reacția Europei la "COMUNICAREA COMISIEI CĂTRE PARLAMENTUL EUROPEAN, CONSILIUL EUROPEAN, CONSILIUL, COMITETUL,

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office@emasconsulting.com
www.emasconsulting.com



Economics

Cash flow illustration (EUR):



Years	11	12	13	14	15	16	17	18	19	20
EUR	290 604	418 834	546 834	674 598	802 118	929 385	1 056 392	1 183 133	1 309 600	1 435 786



Estimated results

Year	1	2	3	4	5	6	7	8	9	10
Production (kWh)	2 332 854	2 322 060	2 311 295	2 300 539	2 289 781	2 279 036	2 268 313	2 257 606	2 246 923	2 236 262
Selling										
Prices (EUR/kWh)	0.0603	0.0606	0.0609	0.0612	0.0615	0.0618	0.0621	0.0624	0.0628	0.0631
Sales revenue (EUR)	140 671.1	140 720.3	140 768.3	140 813.8	140 856.1	140 896.0	140 934.3	140 970.4	141 004.8	141 037.5
Total (EUR)										
Revenues	140 671.1	140 720.3	140 768.3	140 813.8	140 856.1	140 896.0	140 934.3	140 970.4	141 004.8	141 037.5
O and M	10 347.6	10 554.6	10 765.7	10 981.0	11 200.6	11 424.6	11 653.1	11 886.2	12 123.9	12 366.4
Inverter renewal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Results	130 323.5	130 165.7	130 002.6	129 832.8	129 655.4	129 471.4	129 281.1	129 084.2	128 880.9	128 671.1

Year	11	12	13	14	15	16	17	18	19	20
Production (kWh)	2 225 615	2 214 992	2 204 399	2 193 832	2 183 284	2 172 736	2 162 212	2 151 724	2 141 262	2 130 824
Selling										
Prices (EUR/kWh)	0.0634	0.0637	0.0640	0.0643	0.0647	0.0650	0.0653	0.0656	0.0660	0.0663
Sales revenue (EUR)	141 067.8	141 096.5	141 123.8	141 149.6	141 173.3	141 193.7	141 212.3	141 230.0	141 246.0	141 260.2
Total (EUR)										
Revenues	141 067.8	141 096.5	141 123.8	141 149.6	141 173.3	141 193.7	141 212.3	141 230.0	141 246.0	141 260.2
O and M	12 613.7	12 866.0	13 123.3	13 385.8	13 653.5	13 926.6	14 205.1	14 489.2	14 779.0	15 074.6
Inverter renewal	118 743.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Results	9 710.8	128 230.5	128 000.5	127 763.8	127 519.8	127 267.1	127 007.2	126 740.8	126 467.1	126 185.7



Economics PV

Project assumptions		
Project name	Negresti Oas, Satu Mare	
Installed Capacity	1,705	MWp
Full load net hours	1,398	MWh/Mwp/year
Annual pannel degradation	0,4%	p.a.
Energy base price	60	€/MWh
Inflation rate	2%	p.a.
Project cost breakdown		
Cost PV park per MWp	595.000	€/MWp
Cost PV park	1.014.475	€
Customer-Side Works Tu	500	€
Grid Connection Installations Tr	42.768	€
Grid Reinforcement Ti specific	19.338	€
Grid Connection Route	8.000	€
TOTAL COST PV park	1.077.081	€
Total Cost	1.085.081	€
Total Cost /MWp	636.411	€/MWp
Operational cost breakdown		
Insurance/ MW/year	3.000	€/MWp/year
Operation& Maintenance/ MW/year	1.500	€/MWp/year
Balancing & forecasting services	2.000	€/MWp/year
Accounting, bank, legal, Opcom fees etc	1.500	€/year
Utilities (energy and water)	2.000	€/MWp/year
Contingencies/year	2%	p.a.
Security services	1.000	€/MWp/year
Tax on land and construction	2.500	€/year
Depreciable assets	490.081	€
Depreciation period	20	years
Annual depreciation	24.504	€
Financial assumptions		
Equity	379.778	€
Loan Amount	705.303	€
Leverage	65%	%
VAT credit line (21% of CAPEX hard cost)	13.147	€
Interest rate loan - Euribor 1 M	2,68	%
Interest Margin	3,75	%
Loan Maturity	12	years
Grace period	12	months
Monthly Instalments	132	
Nominal cost of equity	15%	% p.a.
Cost of debt	6,4%	% p.a.
Tax rate	16%	% p.a.
WACC	8,8%	% p.a.
Financial ratios project		
IRR project	9%	%
IRR equity	12%	%
NPV project	42.073	€
Payback period	9	years

According to the approved Engineering Solution Study, the indicative cost of grid reinforcement works (TI) is estimated at approximately 19.338,06€. This value will be reassessed at the commissioning stage, and experience from similar projects shows that the final reinforcement costs tend to decrease significantly.