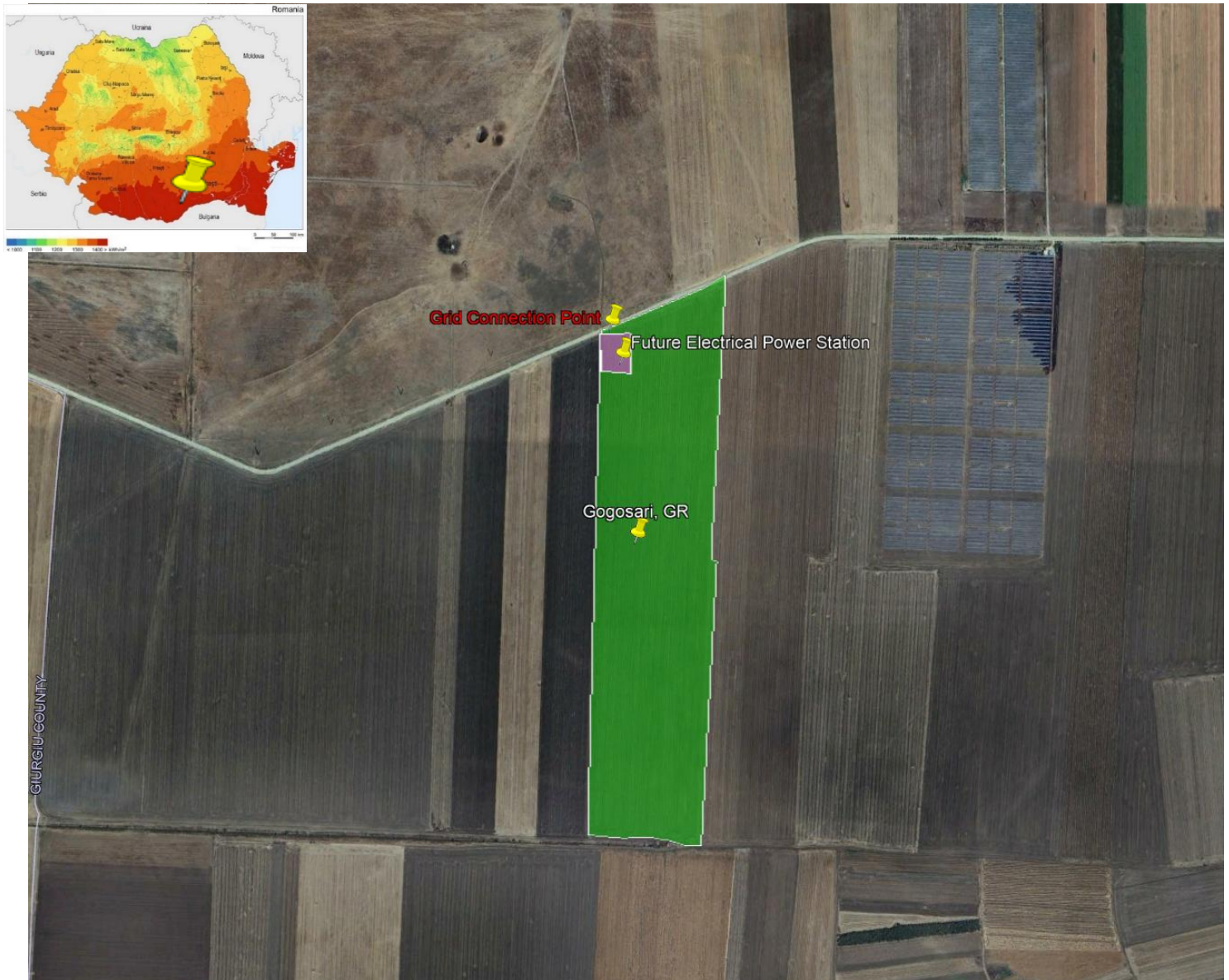
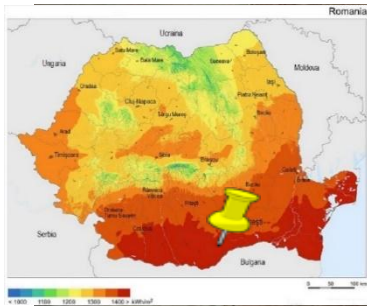




# PV Park

**Project: Gogosari, GR**  
**Land Surface: 34 Ha**  
**Installed PV Power: 36 MWp**



GIURGIU COUNTY



## Curves Level







## PV Productions

**Peak power: 36 MWp**

**Module surface: 169,161.7 m<sup>2</sup>**

**Total number of modules: 65455**

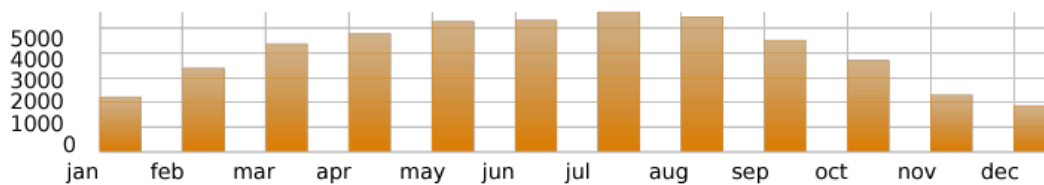
**Total number of inverters: 340**

**Average values:**

Annual production (DC) : 51,819 MWh

Annual production (AC) : 48,873 MWh

**Monthly AC production (MWh/month):**

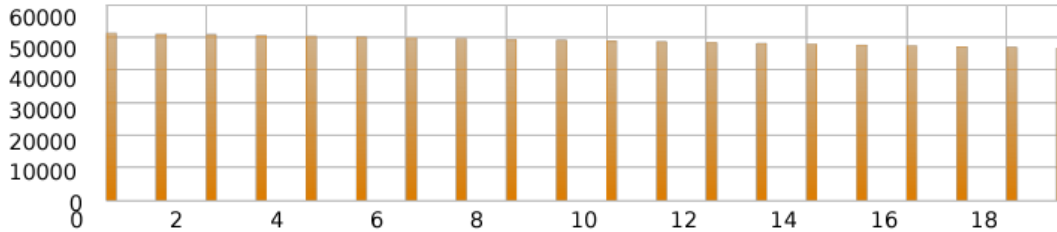


Months	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
MWh	2,210	3,377	4,368	4,777	5,287	5,347	5,665	5,476	4,527	3,699	2,292	1,849



# Productions

AC production year by year (MWh):



Years	1	2	3	4	5	6	7	8	9	10
MWh	51,171	50,924	50,678	50,433	50,187	49,942	49,699	49,456	49,214	48,973

Years	11	12	13	14	15	16	17	18	19	20
MWh	48,733	48,494	48,256	48,019	47,782	47,547	47,312	47,078	46,845	46,613

EMISSIONS AVOIDED: 19,547 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

<b>Project assumptions</b>		
Project name	Gogosari GR	
Installed Capacity	36.000	MWp
Full load net hours	1,421	MWh/Mwp/year
Annual pannel degradation	0.4%	p.a.
Energy base price	60	€/MWh
Inflation rate	2%	p.a.
<b>Project cost breakdown</b>		
Land renting up to COD	-	€
Development (permitting) cost	360,000	€
Equipment (modules, inverters, transf)	13,680,000	€
Foundation & Metallic structure	1,800,000	€
Grid Connection	4,250,000	€
Civil Works	2,700,000	€
Other costs	200,000	€
<b>Total Cost</b>	<b>22,990,000</b>	<b>€</b>
<b>Total Cost /MWp</b>	<b>638,611</b>	<b>€</b>
<b>Operational cost breakdown</b>		
Insurance/ MW/year	2,000	€/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
Utlities (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	22,990,000	€
Depreciation period	20	years
Annual depreciation	1,149,500	€
<b>Financial assumptions</b>		
Equity	8,046,500	€
Loan Amount	14,943,500	€
Leverage	65%	%
VAT credit line (19% of CAPEX hard cost)	3,748,700	€
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.
<b>Financial ratios project</b>		
IRR project	11%	%
IRR equity	15%	%
NPV project	3,061,753	€
Payback period	8	years



\*\*According to www.opcom.ro



earning every day-ahead your trust  
stepping forward to the future

24opcom



operatorul pieței de energie electrică și de gaze naturale din România

Tranzacții - Rezultate      Tranzacționare - Produse      Anunțuri - Știri      Compania

HOME

Tranzacții - Rezultate »

Tranzacționare - Produse »

Mecanism de achiziție centralizată de energie electrică (MACEE) »

Contracte pentru Diferență (CID) »

Anunțuri - Știri »

Compania »

Governanță Corporativă »

Important pentru prosumatori! Prețul mediu ponderat pe PZU pentru martie 2025:

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

EU IPO	ROPEX DAM_H												
	1	2	3	4	5	6	7	8	9	10	11	12	
ROPEX DAM_Base	406,80	394,87	376,10	335,46	340,63	380,15	425,89	552,18	557,48	350,00	311,46	56,19	1,38
ROPEX DAM_Peak	270,62	13	14	15	16	17	18	19	20	21	22	23	24
ROPEX DAM_Off_Peak	542,97	0,01	0,01	0,01	0,04	234,22	472,86	750,12	1.071,16	1.026,91	852,30	726,05	547,60

ROPEX FM_M	Piete la termen 2023-2025 [lei/MWh]												
	ian	feb	mar	apr	mai	iun	iul	aug	sep	oct	nov	dec	
ROPEX FM_2023	889,15	973,66	977,64	956,10	896,09	860,08	860,14	848,39	846,99	848,07	851,48	850,40	851,32
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	512,15
ROPEX FM_2025	517,76	526,85	526,01	519,46	505,10	505,91	505,53	520,78	519,46	519,38	521,82	521,61	521,82

ROPEX GC_M	CertIFICATE VERZI (PCSCV) 2024-2025 [lei/CV]												
	ian	feb	mar	apr	mai	iun	iul	aug	sep	oct	nov	dec	
ROPEX GC_M	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43	145,43

OPCOM - SELECTIE DIRECTOR GENERAL  
A fost publicat: Anuntul de selectie pentru pozitia de Director General al Societatii Operatorul Pieței de Energie Electrica si de Gaze Naturale „OPCOM” S.A.  
01/04/2025  
ANUNT CONSULTARE PROFIL CA  
A fost publicat: Anuntul privind Proiectul Componentei integrale a Planului de selectie pentru desemnarea membrilor in Consiliul de administratie al Societatii Operatorul Pieței de Energie Electrica si de Gaze Naturale „OPCOM” S.A.  
10/04/2025  
A fost publicată lista operatorilor economici care nu au îndeplinit obligația de achiziție de CV pentru anul 2024  
03/04/2025

Raport de piață Săptămânal / Lunar / Anual

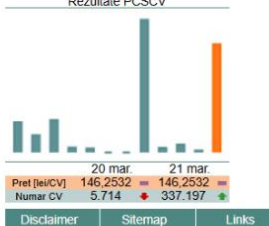
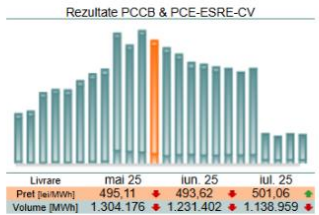
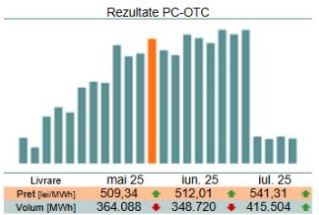
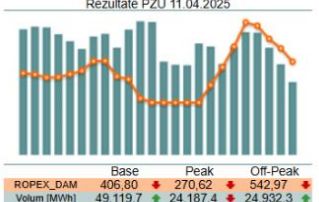
Rapoarte de analiză a pieței

Progresul integrării pieței angro de energie electrică UE – Raport de monitorizare a pieței 2024

Documente REMIT - ACER

Documente REMIT - OPCOM

Cuplarea prin Preț a Regiunilor



OPCOM Comunicate de presa

- 07/04/2025: Participanti noi luna martie
- 01/04/2025: Testele cu participatii pentru introducerea granularitatii de 15 minute in cadrul SDAC sunt programate sa inceapa in ziua de 7 aprilie 2025
- 19/03/2025: Integrarea granitelor Romaniei in Licitatiile Intra-zile (IDA)

Știri

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

Noi participanti: FUNDPOL CAPITAL S.R

Disclaimer    Sitemap    Links    Print    Contact us

© OPCOM



## Layout

