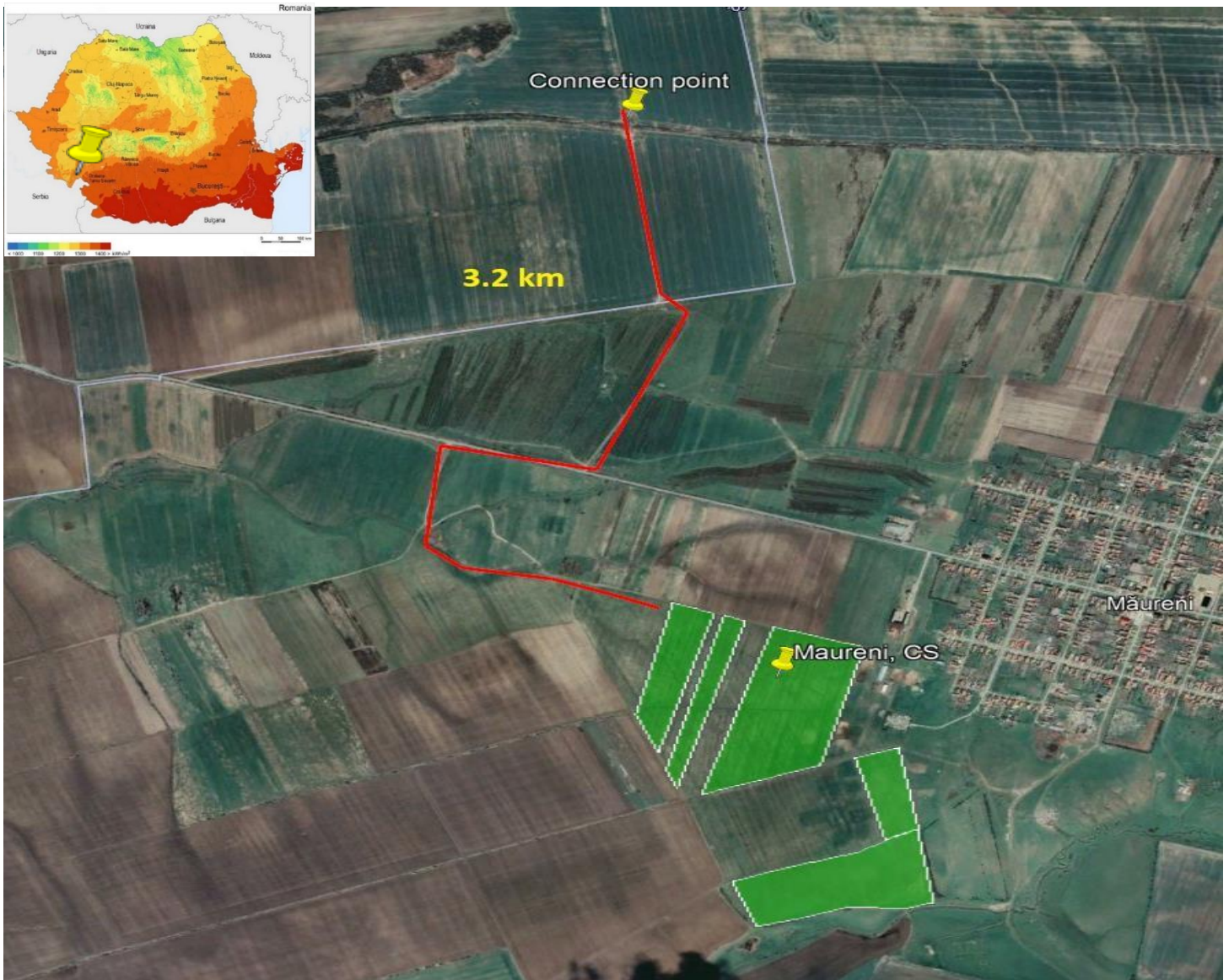




PV Park

Project: Maureni 1, CS
Land Surface: 47.4 Ha
Installed PV Power: 43.48 MWp



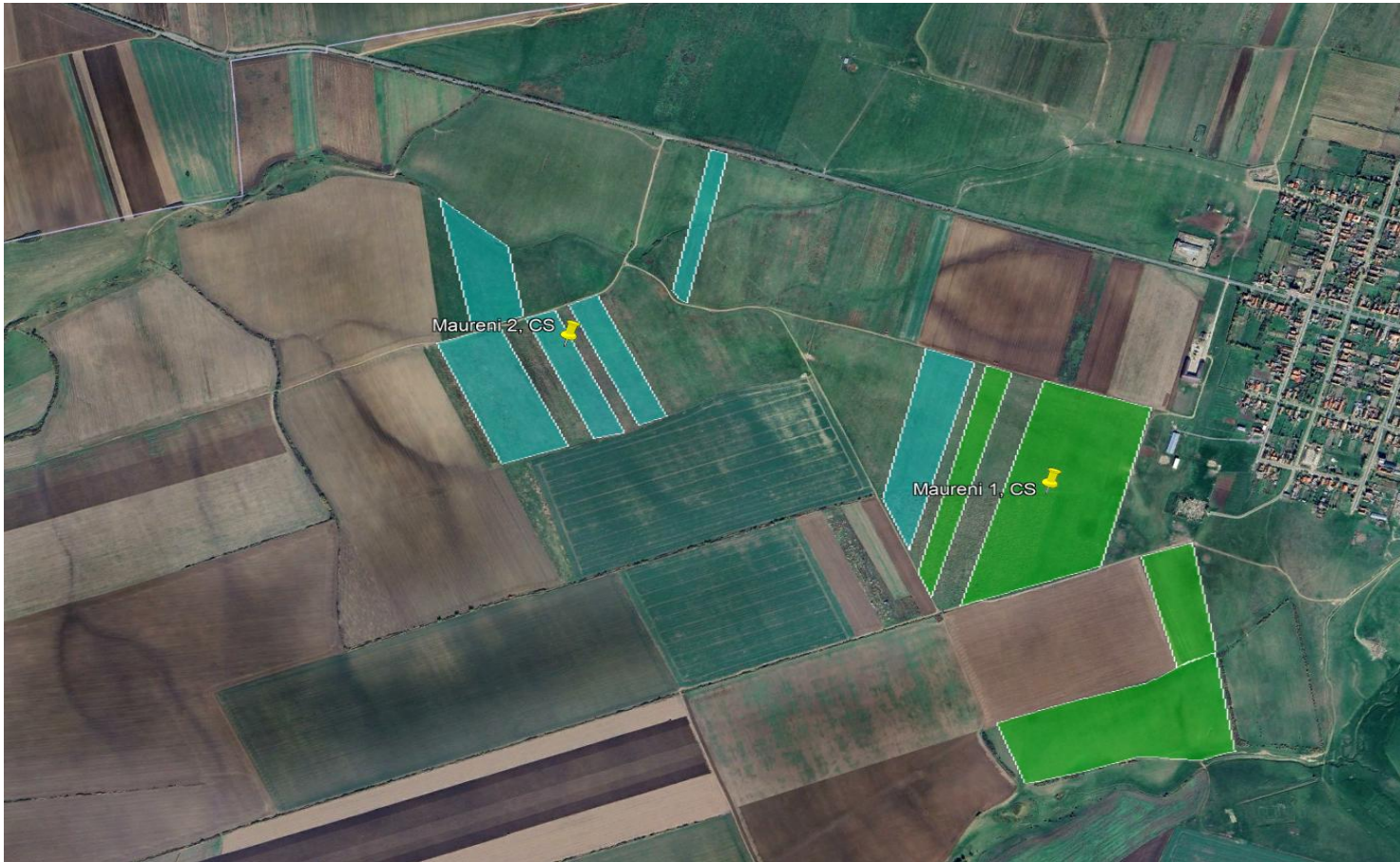


Curves Level





Maureni 1 and Maureni 2 locations





PV Productions

Peak power: 43.48 MWp

Module surface: 204,308.2 m²

Total number of modules: 79055

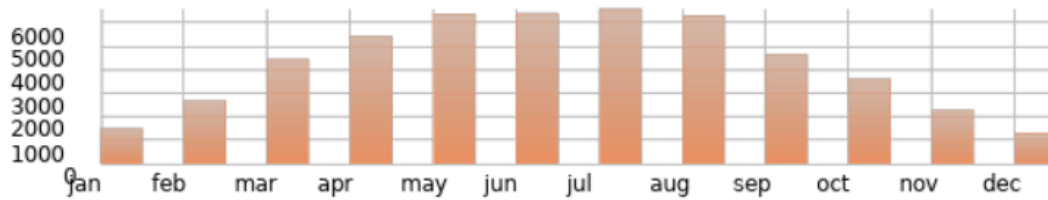
Total number of inverters: 405

Average values:

Annual production (DC) : 54,703 MWh

Annual production (AC) : 51,441 MWh

Monthly AC production (MWh/month):

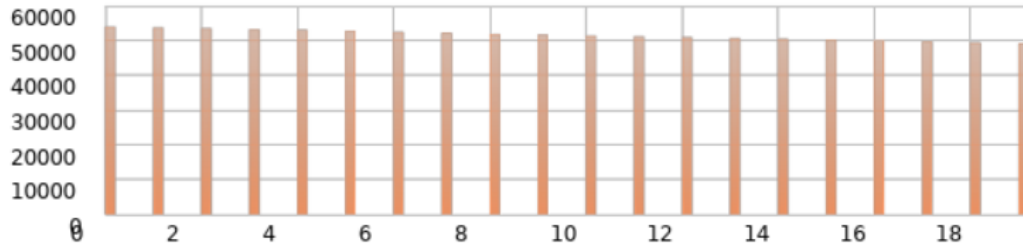


Months	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
MWh	1,486	2,656	4,447	5,421	6,366	6,388	6,583	6,288	4,638	3,603	2,264	1,301



Productions

AC production year by year (MWh):



Years	1	2	3	4	5	6	7	8	9	10
MWh	53,866	53,604	53,343	53,083	52,825	52,567	52,311	52,055	51,800	51,546

Years	11	12	13	14	15	16	17	18	19	20
MWh	51,293	51,042	50,791	50,541	50,291	50,043	49,796	49,549	49,304	49,059

EMISSIONS AVOIDED: 21,166 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

Project assumptions		
Project name	Maureni 1, CS	
Installed Capacity	43,480	MWp
Full load net hours	1,421	MWh/Mwp/year
Annual panel degradation	0.4%	p.a.
Energy base price	60	€/MWh
Inflation rate	2%	p.a.
Project cost breakdown		
Land renting up to COD	-	€
Development (permitting) cost	434,800	€
Equipment (modules, inverters, transf)	16,522,400	€
Foundation & Metallic structure	2,174,000	€
Grid Connection	3,261,000	€
Civil Works	3,043,600	€
Other costs	200,000	€
Total Cost	25,635,800	€
Total Cost /MWp	589,600	€
Operational cost breakdown		
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
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	25,635,800	€
Depreciation period	20	years
Annual depreciation	1,281,790	€
Financial assumptions		
Equity	8,972,530	€
Loan Amount	16,663,270	€
Leverage	65%	%
VAT credit line (19% of CAPEX hard cost)	4,171,906	€
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	12%	%
IRR equity	17%	%
NPV project	5,470,130	€
Payback period	7	years



**According to www.opcom.ro



24opcom



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 »

Guvernământ 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

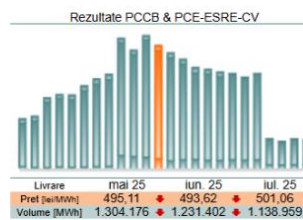
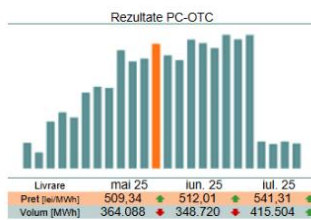
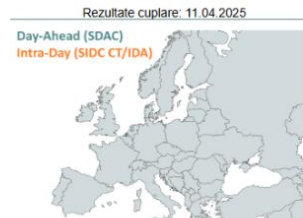
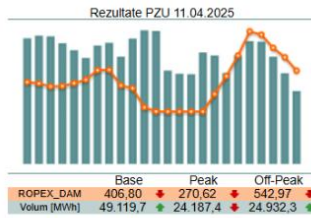
ROPEX FM_M	Piete la termen 2023-2025 [lei/MWh]												
	ian	feb	mar	apr	mai	iun	iul	aug	sep	oct	nov	dec	
ROPEX FM_2023	889,15	973,66	977,64	956,10	896,09	860,08	860,14	848,39	846,99	848,07	851,48	850,40	851,32
ROPEX FM_2024	498,90	570,29	566,27	471,77	473,65	459,20	465,66	486,90	497,59	497,97	510,17	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

Opcom Anunțuri

- 11/03/2025
OPCOM - SELECTIE DIRECTOR GENERAL
 A fost publicat: Anuntul de selectie pentru pozitia de Director General al Societatii Operatorul Piete 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 Piete 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

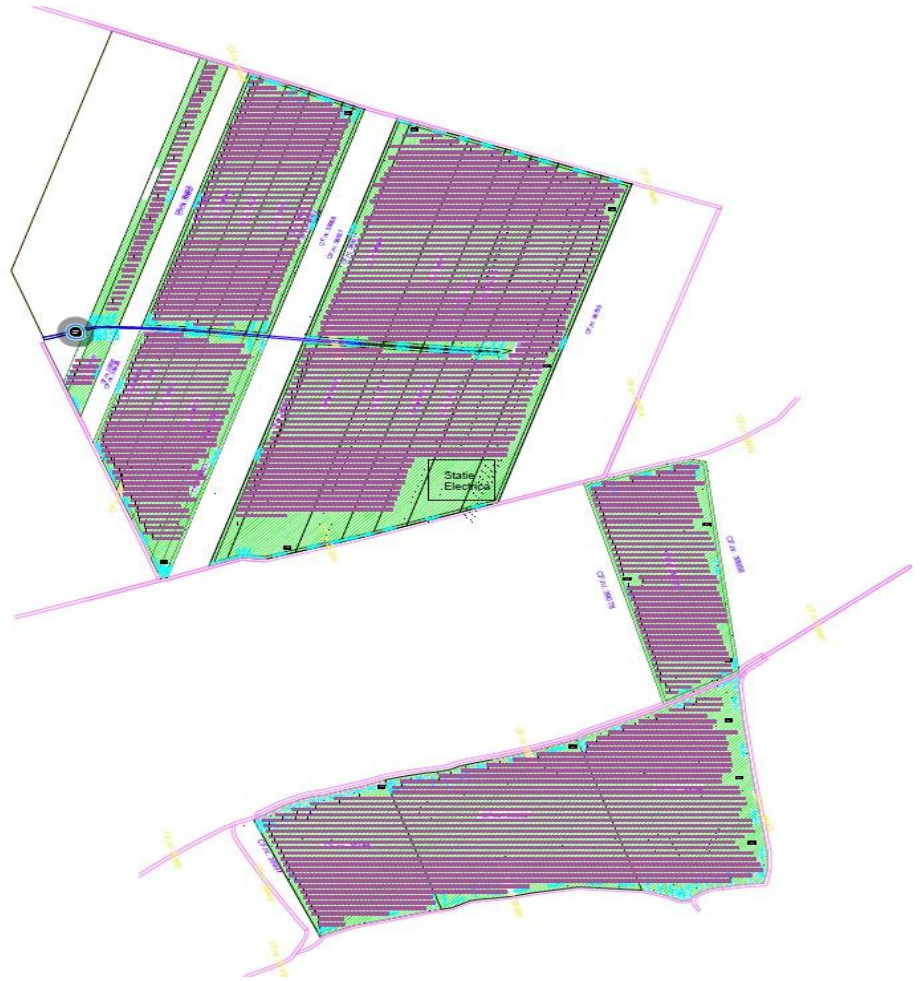
- 07/04/2025
 Participanti noi luna martie
- 01/04/2025
 Testele cu participatii pentru introducerea granularității de 15 minute în cadrul SDAC sunt programate să înceapă în ziua de 7 aprilie 2025
- 19/03/2025
 Integrarea granițelor României în Licitațiile Intra-zile (IDA)

Știri

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



Layout PV



LEGENDA:

	Panouri fotovoltaice pe structura metalica
	Post de transformare
	Statie electrica



