



PV Park

Project: Laza, VS
Land Surface: 31.4 Ha
Installed PV Power: 31.5 MWp





Curves Level





PV Productions

Peak power: 31.5 MWp

Module surface: 150,540.0 m²

Total number of modules: 57273

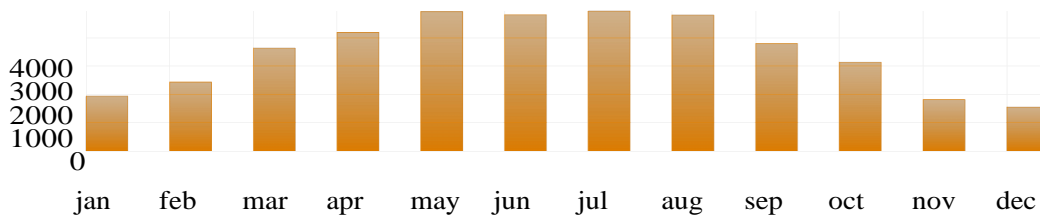
Total number of inverters: 320

Average values:

Annual production (DC) : 44,510 MWh

Annual production (AC) : 42,007 MWh

Monthly AC production (MWh/month):

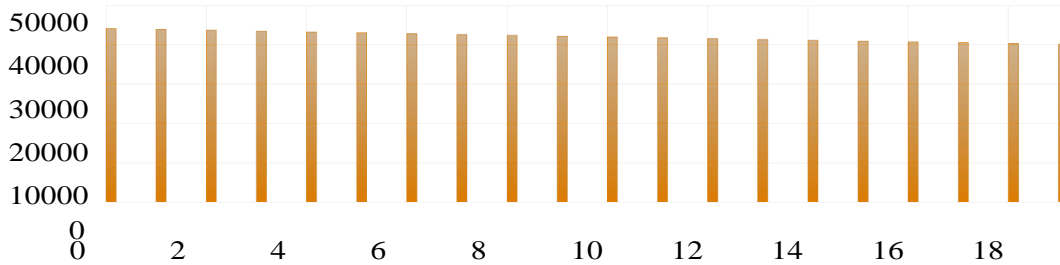


Months	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
MWh	1,935	2,438	3,637	4,193	4,931	4,817	4,949	4,803	3,797	3,137	1,817	1,554



Productions

AC production year by year (MWh):



Years	1	2	3	4	5	6	7	8	9	10
MWh	44,034	43,814	43,595	43,378	43,161	42,946	42,731	42,518	42,306	42,095

Years	11	12	13	14	15	16	17	18	19	20
MWh	41,884	41,675	41,467	41,260	41,054	40,848	40,644	40,441	40,239	40,038

EMISSIONS AVOIDED: 16,803 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	Laza, VS	
Installed Capacity	31.500	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.
Project cost breakdown		
Land renting up to COD	-	€
Development (permitting) cost	315,000	€
Equipment (modules, inverters, transf)	11,970,000	€
Foundation & Metallic structure	1,575,000	€
Grid Connection	2,362,500	€
Civil Works	2,205,000	€
Other costs	200,000	€
Total Cost	18,627,500	€
Total Cost /MWp	591,349	€
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
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	18,627,500	€
Depreciation period	20	years
Annual depreciation	931,375	€
Financial assumptions		
Equity	6,519,625	€
Loan Amount	12,107,875	€
Leverage	65%	%
VAT credit line (19% of CAPEX hard cost)	3,022,425	€
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	3,908,020	€
Payback period	7	years



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operatorul pieței de energie electrică și de gaze naturale din România

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Mecanism de achiziție centralizată de energie electrică (MACEE) »

Contracte pentru Diferență (CID) »

Anunțuri - Știri »

Compania »

Guvernanță 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
ROPEX GC_M	146,25	146,25	-	146,25	-	-	-	-	-	-	-	-	-

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

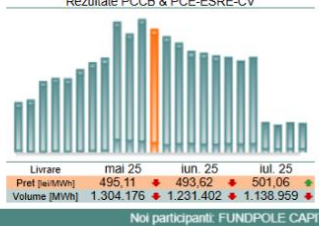
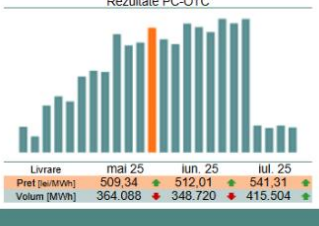
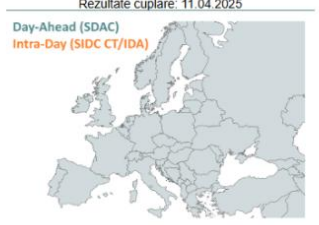
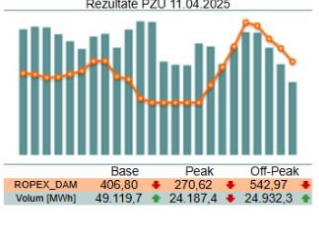
Rapoarte de analiză a pieței

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

Documente REMIT - ACER

Documente REMIT - OPCOM

Cupiarea prin Preț a Regiunilor



OPCOM Comunicate de presă

- 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 COORDONARE"



Layout PV

