



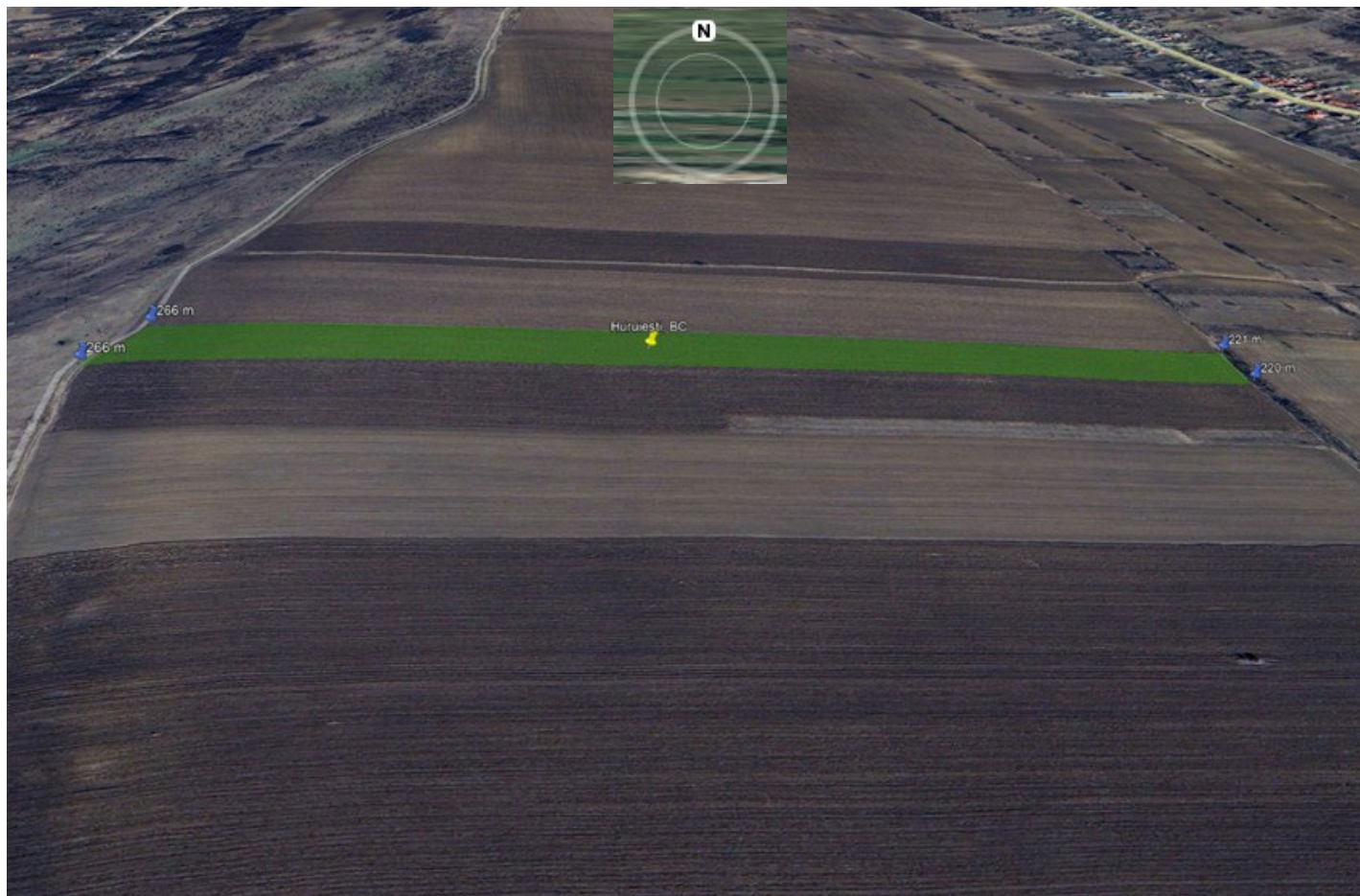
PV Park

Project: Huruiesti, BC
Land Surface: 2,43 Ha
Installed PV Power: 2,376 MWp
Maximum Power Output to Grid: 2 MW



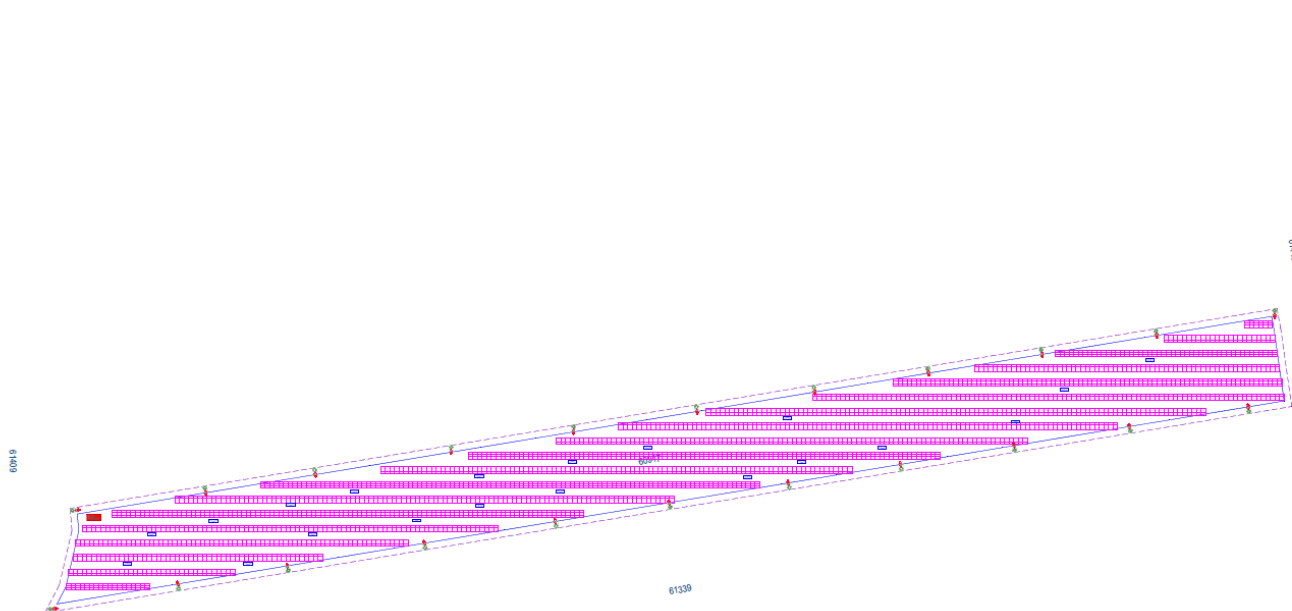


Curves Level





Layout Photovoltaic Park





PV Productions

Peak power: 2,36 MWp

Module surface: 9 724,3 m²

Total number of modules: 3 600

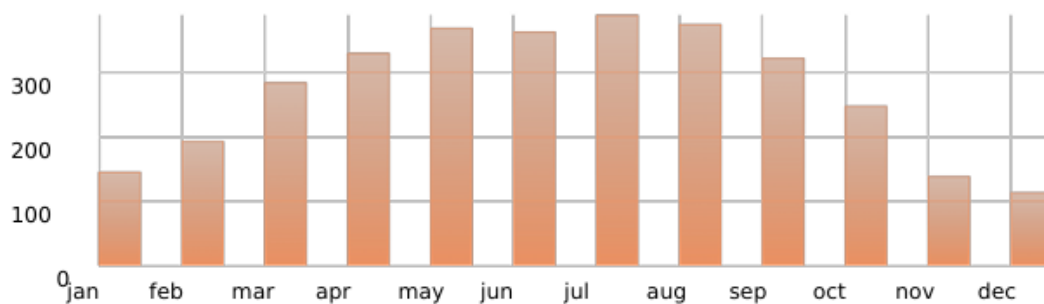
Total number of inverters: 21

Average values:

Annual production (DC): 3 481 MWh

Annual production (AC): 3 268 MWh

Monthly AC production (MWh/month):

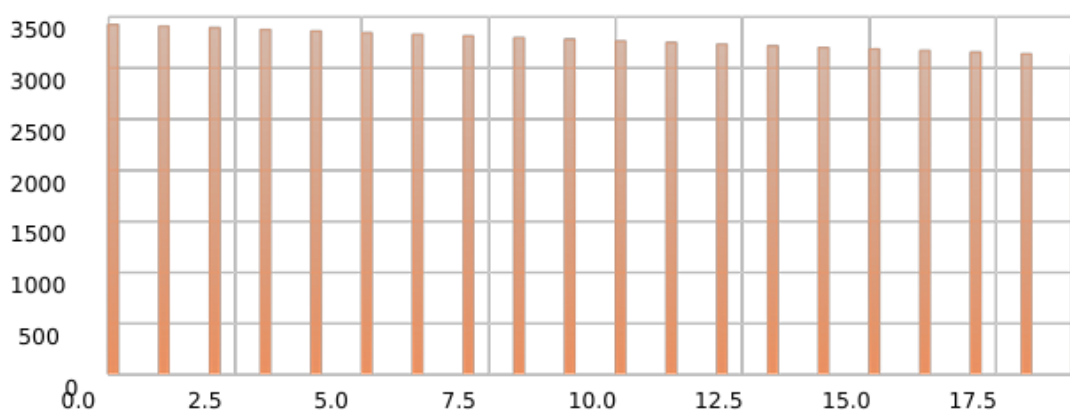


Months	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Oct	Nov	Dec
MWh	145	193	284	330	368	363	389	375	322	247	138	113



Productions

AC production year by year (MWh):



Years	1	2	3	4	5	6	7	8	9	10
MWh	3 421	3 404	3 388	3 372	3 355	3 339	3 323	3 307	3 291	3 275

Years	11	12	13	14	15	16	17	18	19	20
MWh	3 259	3 243	3 227	3 212	3 196	3 180	3 165	3 149	3 134	3 118

EMISSIONS AVOIDED: 1 307 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: 1.414 million EUR
Inverter renewal: 223 517 EUR
Maintenance: 1.00 %

Bank loan:

Amount: 1 413 720 EUR
Interest rate: 3.50 %

Discounting:

Inflation rate: 2.00 %
Equity rate: 3.00 %

Project type:

Total sale

Energy sales price produced:

0.0600 EUR/kWh

Price evolution:

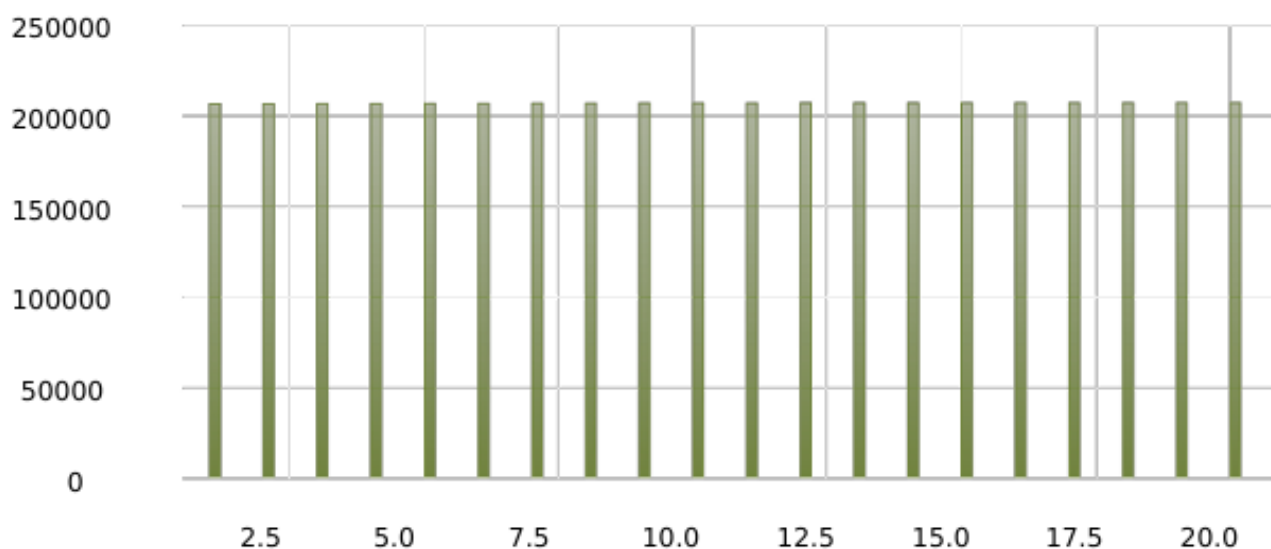
+ 0.5 %/year

Economic results:

Annual revenue: 206 533 EUR/year
Cumulated revenues: 4.131 million EUR
Maintenance cost: 17 518 EUR/year

LCOE: 0.033 EUR/kWh
Net present value: 1.125 million EUR
Payback period: 8 year(s)
Discounted payback period: 9 year(s)
Internal rate of return: 11.40 %

Revenues year by year (EUR):



Revenues



****According to www.opcom.ro**

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

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

25opcom

Tranzacții - Rezultate

Tranzacționare - Produse

Anunțuri - Știri

Compania

HOME

Tranzacții - Rezultate »

Tranzacționare - Produse »

Mecanism de achiziție centralizată de energie electrică (MACEE) »

Contracte pentru Diferență (CFD) »

Anunțuri - Știri »

Compania »

Guvernanță Corporativă »

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

EU IPO
EUROPEAN UNION PUBLIC INFRASTRUCTURE

	ROPEX DAM_H												
	Piața pentru ziua următoare - Ziua de livrare 29/9/2025 [lei/MWh]												
	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	445,06
ROPEX DAM_Peak	786,42	13	14	15	16	17	18	19	20	21	22	23	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	542,46

ROPEX_FM_M

	Piața la termen 2024-2026 [lei/MWh]												
	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	512,15
ROPEX_FM_2025	525,77	526,85	526,01	519,46	505,10	504,57	507,20	538,41	533,26	531,11	536,01	539,70	539,40
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	568,15	568,20

ROPEX_GC_M

	Certificate Verzi (PCSCV) 2024-2025 [lei/CV]											
	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	145,43
146,25	146,25	-	146,25	146,25	146,25	146,25	146,25	146,25	146,25	-	-	-

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

Opcom Anunțuri

08/05/2025
A fost publicat: Anunțul privind selecția membrilor Consiliului de administrație la Societatea Operatorul Pieței de Energie Electrică și de Gaze Naturale „OPCOM” S.A.

15/09/2025
Important: DECIZIA(UE) 2025/1771 A COMISIEI din 8 septembrie 2025 privind taxele datorate Agenției Uniunii Europene pentru Cooperarea Autorităților de Reglementare din Domeniul Energiei

12/09/2025
Vă informăm că a fost avizată de către ANRE Procedura privind constituirea și actualizarea garanțiilor financiare de către plătitorii de contribuție CFD și executarea garanțiilor financiare

01/09/2025
În conformitate cu prevederile Ordinului ANRE nr. 15/2022 OPCOM publică nr. 1

Opcom Comunicate de presă

12/09/2025
Produsele de 15 minute vor fi introduse pe piața de energie electrică pentru ziua următoare

05/09/2025
Participanți noi în luna august

11/08/2025
25 de ani de dezvoltare cu succes al OPCOM

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 Europex la "COMUNICAREA COMISIEI CĂTRE PARLAMENTUL EUROPEAN, CONSILIUL EUROPEAN, CONSILIUL COMITETUL EUROPEAN DE ENERGIE"

Rezultate PZU 29.09.2025

	Base	Peak	Off-Peak
ROPEX DAM	720,39	786,42	654,36
Volum (MWh)	40.085,9	21.071,4	19.014,5

Rezultate cuplare: 29.09.2025

Rezultate PC-OTC

	oct. 25	nov. 25	dec. 25
Livrare	560,52	563,31	564,31
Pret [lei/MWh]	521,105	546,640	571,000
Volum (MWh)			

Rezultate PCCB & PCE-ESRE-CV

	oct. 25	nov. 25	dec. 25
Livrare	513,11	519,09	517,95
Pret [lei/MWh]	1.283,680	1.294,603	1.321,456
Volum (MWh)			

Rezultate PCSCV

	3 sep.	17 sep.
Pret [lei/CV]	146,2532	-
Numar CV	50	0

Disclaimer

Sitemap

Links

CV, PCV, EM POWER S.R.L. (PC-OTC), ECOTERRA BIOGAS S.R.L. (PZU), SHIKUN AND BINUI ENERGY SATU MARE S.R.L. (PZU, P

Print

RSS

Contact us



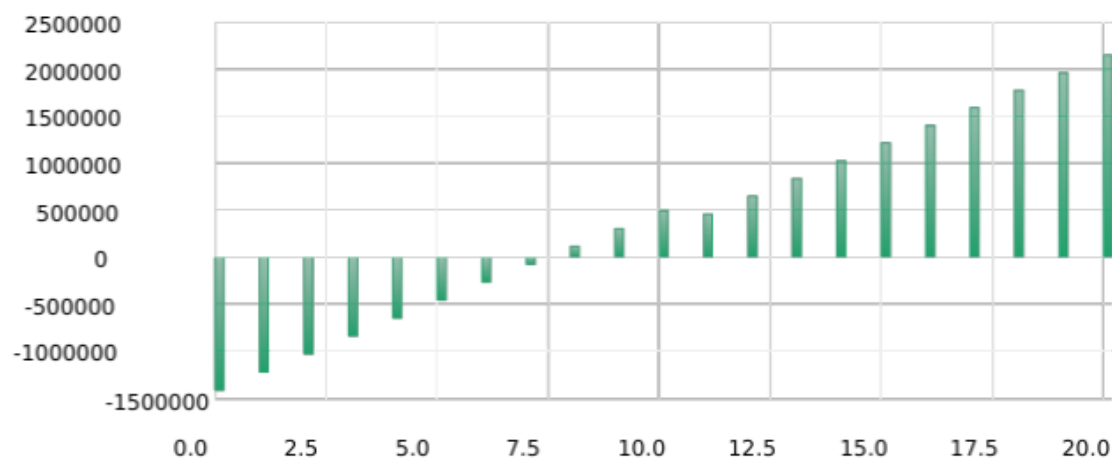
Estimated results

Year	1	2	3	4	5	6	7	8	9	10
Production (kWh)	3 420 672	3 404 270	3 387 928	3 371 651	3 355 430	3 339 241	3 323 109	3 307 015	3 290 952	3 274 951
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)	206 266.5	206 303.9	206 340.1	206 375.5	206 409.5	206 440.7	206 470.6	206 498.1	206 522.5	206 546.0
Total (EUR)										
Revenues	206 266.5	206 303.9	206 340.1	206 375.5	206 409.5	206 440.7	206 470.6	206 498.1	206 522.5	206 546.0
Maintenance	14 419.9	14 708.3	15 002.5	15 302.6	15 608.6	15 920.8	16 239.2	16 564.0	16 895.3	17 233.2
Inverter renewal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Results	191 846.5	191 595.5	191 337.6	191 072.9	190 800.9	190 520.0	190 231.4	189 934.1	189 627.2	189 312.8

Year	11	12	13	14	15	16	17	18	19	20
Production (kWh)	3 259 005	3 243 125	3 227 290	3 211 522	3 195 815	3 180 169	3 164 583	3 149 061	3 133 596	3 118 189
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)	206 567.9	206 589.2	206 608.4	206 627.0	206 644.5	206 661.0	206 676.3	206 690.9	206 704.2	206 716.4
Total (EUR)										
Revenues	206 567.9	206 589.2	206 608.4	206 627.0	206 644.5	206 661.0	206 676.3	206 690.9	206 704.2	206 716.4
Maintenance	17 577.8	17 929.4	18 288.0	18 653.7	19 026.8	19 407.3	19 795.5	20 191.4	20 595.2	21 007.1
Inverter renewal	223 516.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Results	-34 526.7	188 659.8	188 320.4	187 973.3	187 617.7	187 253.6	186 880.8	186 499.5	186 109.0	185 709.2



Economics



Years	1	2	3	4	5	6	7	8	9	10
EUR	-1 221 873	-1 030 277	-838 939	-647 866	-457 065	-266 545	-76 314	113 620	303 247	492 560

Years	11	12	13	14	15	16	17	18	19	20
EUR	458 033	646 693	835 013	1 022 986	1 210 604	1 397 858	1 584 739	1 771 239	1 957 348	2 143 057



Economics PV

Project assumptions		
Project name	Huruiesti, Bacau	
Installed Capacity	2,376	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	1.413.720	€
Customer-Side Works Tu	500	€
Grid Connection Installations Tr	71.217	€
Grid Reinforcement Ti specific	16.181	€
Grid Connection Route	15.200	€
TOTAL COST PV park	1.501.618	€
Total Cost	1.516.818	€
Total Cost /MWp	638.391	€/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
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	921.818	€
Depreciation period	20	years
Annual depreciation	46.091	€
Financial assumptions		
Equity	530.886	€
Loan Amount	985.931	€
Leverage	65%	%
VAT credit line (21% of CAPEX hard cost)	18.458	€
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	10%	%
IRR equity	13%	%
NPV project	83.990	€
Payback period	9	years

According to the approved Engineering Solution Study, the indicative cost of grid reinforcement works (TI) is estimated at approximately 16.181€. This value will be reassessed at the commissioning stage, and experience from similar projects shows that the final reinforcement costs tend to decrease significantly.