

Casalduni 34.7 MW Wind Farm, Campania, Italy

Parco Eolico Casalduni House S.r.l.

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Document approval

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Note

Unless differently stated, this Report has been prepared on the basis of the information gathered and/or project documents reviewed up to the cut-off date of August 31, 2023.

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1 Executive Summary

This construction report covers the period of July-August 2023 (the "Reference Period") and provides information on the status of the main construction activities, based on the documents made available by the Project Company on September 14, 2023 and the Q&A sessions.

Overall Progress

In the Reference Period, in accordance with the main planned works, the following activities have been observed:

- The restoration works on public roads has started;
- MV cables installation is ongoing at the date of the issuance of this report; about 38 km out of 40 km have been laid;
- The pre-commissioning is completed in all WTGs;
- The substation energization was completed;
- The commissioning activities have been scheduled and are expected to start within September, while the first WTG energization is foreseen for the first half of October¹.

Budget

The TA confirms that the "Mechanical completion" and the "SSE Energization" milestones have technically occurred, and the relevant milestone payments from Renexia Services as EPC contractor have been made on July 05, 2023 and on July 28, 2023 (see also LT 23 157_F454 - Casalduni WF_n.14 Draw Down Certificate dated July 26, 2023 and LT 23 170_F454 - Casalduni WF_n.15 Draw Down Certificate dated August 02, 2023).

Permitting and Land acquisition/concession

No updates in the Reference Period.

HSE

Nothing to report in the Reference Period.

Site Visit

The last site visit was performed by the TA on July 13, 2023, the next inspection will be performed in the coming weeks.

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RP 23 188_F454 - Renexia - Casalduni WF_Construction report#25.docx

¹ Information gained on September 21, 2023 during a call with the Sponsor

Background 2

The Casalduni WF (the "Project" or the "Wind Farm"), with a total capacity of 34.7 MW consisting of 10 Siemens-Gamesa² G132-3.465MW with a hub height of 114 m, received the EIA Decree on November 22, 2014 and has been authorized by the Campania Region according to the D.Lqs. 387/2003 ("Autorizzazione Unica" or "AU") on March 22, 2016. On November 27, 2019 by the AU Decree n.465, the Campania Region issued the Single Authorization for the Project as "Variante".

The Wind Farm is owned by Parco Eolico Casalduni House Srl (the "Project Company" or the "PC" or the "Client"), which in turn is owned by Renexia SpA (the "Sponsor").

In the 2018, Fichtner has been mandated for the lender's engineering activities for the benefit of each financial institution providing debt service to the Project Company according to their individual needs.

As informed by the Sponsor, the Project applied to the third auction in accordance with the DM July 4, 2019. The auction ranking results were published in September 2020. The Project was awarded a tariff of 66.84 €/MWh, corresponding to a 4.51% discount with respect to the threshold tariff of 70 €/MWh, assigned for 20 years starting from the Project COD.

In this framework new turbine supply and O&M contracts (TSA and ISP) have been signed with the WTG manufacturer Siemens Gamesa in December 2020.

Fichtner Italia ("Fichtner" or the "TA" or "LE"), mandated as lender's engineer, has been requested to provide a Construction Report related to the update status of the Project.

During this exercise, the TA has liaised with, or received information from, representatives of the following parties:

- Parco Eolico Casalduni House (PECH) as SPV;
- Renexia as Sponsor

² Siemens Gamesa Renewable Energy, or SGRE

3 Introduction

This report aims to provide the Lenders with the status of the main project construction activities for the Reference Period.

The works mainly consist of:

- Building and installation of 10 WTGs composed by 9 deep foundations (piles) and 1 foundation that transfers the load directly on the terrain, for a total installed power of 34.65 MW;
- Execution of the MV cable ducts;
- Construction of the MV/HV electrical substation (SSE);
- Construction of the HV cable duct connected with the RTN³.

All the WTGs are located in Municipality of Casalduni, grouped into two clusters:

- WTG03, WTG04 and WTG05 belonging to the first cluster (south-east) and
- WTG08, WTG09, WTG10, WTG11, WTG13, WTG14 and WTG18 in second cluster (north-west).

The SSE is located in the Municipality of Pontelandolfo, nearly the existing RTN grid station.

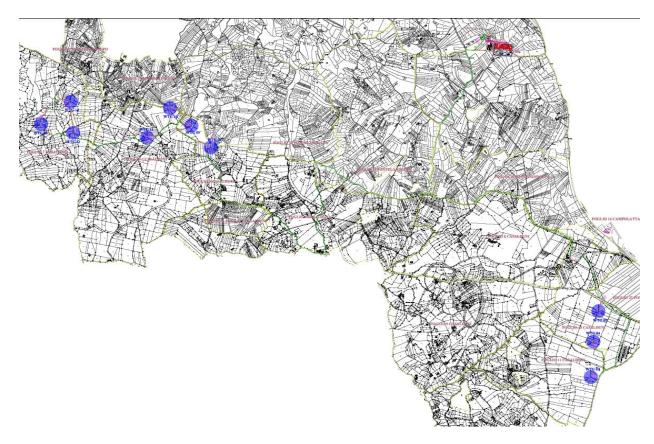


Figure 3-1 – Layout of all WTGs and SSE

³ "Rete elettrica di Trasmissione Nazionale", High Voltage National Transmission Network

Contractual structure 4

The Project foresees a contractual structure, summarized in the following:

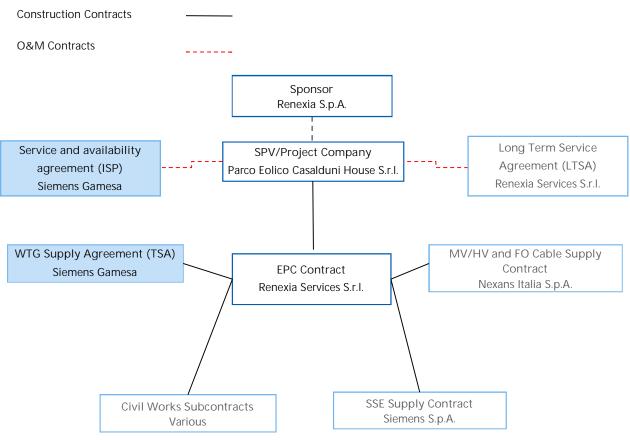


Table 4-1: Casalduni WTG Project Contracts

The new contractual scheme technically covers all the main activities related to the procurement, construction/erection/installation and testing of the Project. This structure will expose the EPC contractor to risks coming from their direct involvement on several responsibilities pertaining to transportation and WTG's towers supply and installation/testing.

Project Organizational Chart 4.1

The EPC Contractor Renexia Services S.r.l. has shared the following Organizational Chart highlighting the main roles and responsibilities of its resources during the Project execution:

ORGANIGRAMMA DI COMMESSA PARCO EOLICO PECH CASALDUNI REV. Renexia Services Feb 2021 Renexia Services Organizational Chart CEO Technical Director / Project Manager DIRETTORE LAVORI R.Petricciuolo ing. S. Ventura Contracts, Legal Dep. P.Administration Relation Designer P.Sammartino, E.Dimatteo...(Renexia SpA) Infra Engineering **HSSE Managing** Technical Office & Quality Studio Amatucci TBD Monitoring **Turbines Quality Ispections** consultants L.Sammartino/F.Sorgiacomo (Renexia SPA) SITE MANAGER L. Scannella SITE ASSISTANT & **ACCOUNTING** TOPOGRAPHY SUPPLIERS CIVIL WORKS SUBCONTRACOTRS SSE ELECTRICAL SUBC. SGRE, Siemens, TBD Siemens

Table 4-2: Project Organizational Chart of EPC Contractor

This organisational structure is, in the TA's opinion, aligned with the industry standard.

5 Overall Project schedule

The dates of the construction milestones, reported in the overall project schedule of the Wind Farm provided to the TA at DD phase, are compared in the below table with the updated schedules.

Event	Planned Schedule [1]	Updated Schedule Feb 23 [2]	Updated Schedule Apr 23 [3]	TA's comments [4]
Construction Contracts	Done	Done	Done	The Notice to Proceed (NTP) signed in the mid of January 2021 between the EPC contract and the TSA (Siemens Gamesa).
UXO Survey	Partially Done	Done	Done	
Start of Site Works	In the mid of May 2021	May, 2022 [Delay: 12 months]	May, 2022 [Delay: 12 months]	Renexia started the Site Works on April 27, 2022.
WTGs delivery on site	From 09/09/2021 to 15/12/2021	February 2022 to May 2023 [Delay: 17 months]	February 2022 to June 2023 [Delay: 18 months]	Completed.
MV Cables delivery on site	31/03/2021	February 2023	June 2023	Completed.
WTGs foundation completion	6/10/2021	March 2023 [Delay: 17 months]	Done	The WTGs foundation completion milestone was met on March 31, 2023.
20/150kV SSE Energization	10/11/2021	May 2023 [Delay: 18 months]	June 2023 [Delay: 19 months]	The SSE Energization milestone was met on July 28, 2023.
MV Cables and F.O: installation	From to 13/05/2021 to 27/10/2021	August 2022 to May 2023 [Delay: 16 months]	August 2022 to June 2023 [Delay: 17 months]	Carried out by Nexans Italia S.r.l. The activities, restarted in February 2023 after the stop due to the vandalism, will be completed by September 2023, with three months of delay compared to the previously estimation.
WTGs Erection	15/12/2021	March to May 2023	March to June 2023	Completed.

Event	Planned Schedule [1]	Updated Schedule Feb 23 [2]	Updated Schedule Apr 23 [3]	TA's comments [4]
		[Delay: 14 months]	[Delay: 15 months]	
Mechanical Completion WTGs	From 14/10/2021 to 19/01/2022	April to July 2023 [Delay: 19 months]	April to July 2023 [Delay: 19 months]	The WTGs mechanical completion milestone was met on July 05, 2023.
WTGs Energization	From 16/12/2021 to 26/01/2022	May to July 2023 [Delay: 17 months]	May to July 2023 [Delay: 17 months]	The first WTG Energization is expected by October 2023, with five months of delay compared to the previous estimation.
WTGs reliability tests	From 27/01/2022 to 23/03/2022	June to August 2023 [Delay: 17 months]	August to October 2023 [Delay: 19 months]	The reliability tests of the WTGs will start in November and completed by December 2023, with five months of delay compared to the previously estimation.
WTGs Take Over	From 17/03/2022 to 20/04/2022	July to September 2023 [Delay: 16 months]	August to October 2023 [Delay: 17 months]	The WTGs Take Over is foreseen to be finalized by the end of 2023, with two months of delay compared to the previously estimation.
Wind Farm Take Over	27/04/2022	End of September 2023. [Delay: 14 months]	End of November 2023. [Delay: 16 months]	The Take Over is foreseen by the end of 2023, with three months of delay compared to the previously estimation.

It is noted that the Updated Interconnection Date Deadline (April 20, 2022) and the Long Stop Date (July 31, 2022), as per definition in the Waiver of Terms and Conditions of the Notes dated October 4, 2021, were not met.

As per the Waiver request approved by the Lenders, the Interconnection Date Deadline and the Long Stop Date were extended to May 31, 2023 and October 31, 2023, respectively. Based on the updated time schedule [4] these milestones are not expected to be met. The TA has been informed that a new waiver request is under approval by the lenders in order to set new milestones deadline.

The above schedule, however, would allow the Project to be guaranteed the awarded Tariff without any penalties: the deadline to avoid a 1% reduction on the awarded Tariff for the projects awarded in third auction (in accordance with the DM July 4, 2019), whose ranking results were published in

September 2020, was extended by a total of 553 days, equal to the period included between the date of publication of the rankings (24/09/2020) and the expiration of the state of emergency declared by Resolution of the Council of Ministers of 31/01/2020, 29/07/2020, 07/10/2020, 13/01/2021, 21/04/2021, Decree Law No. 105/2021 and Decree Law No.221/2021 (31/03/2022). Considering the above the new deadline is June 30, 2023. Moreover, according to the D.L. n.21/2022 (Decreto Ucraina), the GSE has implemented the possibility of extending the end of work by 12 months, shifting the deadline for the tariff by the same period. The TA has been informed that PECH requested and obtained the extension, hence the new deadline is June 30, 20244.

The conditions for eligibility to the FiT are: (i) energization of the first WTG and (ii) Erection of all WTGs., whose combined achievement is currently foreseen for the end of May 2023 as per latest available Schedule, which is going to be subject to variations as described above in this Section.

⁴ email communication on February 24, 2023.

6 Project Progress

In the Reference Period, July-August 2023 [4]:

- During the restoration works on public roads has started;
- MV cables installation is ongoing at the date of the issuance of this report; about 38 km out of 40 km have been laid:
- The pre-commissioning is completed in all WTGs;
- The substation energization was completed;
- The commissioning activities have been scheduled and are expected to start within September, while the first WTG energization is foreseen for the first half of October⁵.

Project Progress

The updated progress for the project activities has been reported by the PC on a monthly basis, with the break-down below illustrated in the below tables.

Cod.	Description	Weight	PROGRESS Monthly Act.	PROGRESS Cumulat. Act.	Overall Progress
		[%]	[%]	[%]	[%]
А	Civil Works	10.9	1.1	99.2	10.8
В	SSE & Electrical Cables Procurement	7.1	-	100.0	7.1
С	WTGs Procurement & Installation	78.5	0.2	99.2	77.9
D	Design & Management	3.5	1.4	98.2	3.4
	TOTAL	100.0	0.2	99.2	99.2

Table 6-1: Break-down of EPC progress by activities

The overall weighted progress until today has been of 99.2%, with a Reference Period progress of 0.2%.

		Weight	PROGRESS	PROGRESS	
Cod.	Description	[%]	Monthly	Cumulat.	Overall
Cou.	Description		Act.	Act	Progress
			[%]	[%]	
A1	Concrete Supply - Foundation Plinths and Piles	18.0	-	100.0	18.0
A2	Inert Materials Supply	12.0	3.0	100.0	12.0
A3	Steel Supply - Foundation Plinths and Piles	20.0	-	100.0	20.0
A4	Earthmoving	18.0	0.0	99.6	17.9
A 5	Foundation Piles Construction	3.0	-	100.0	3.0
A6	WTG Foundations	6.0	-	100.0	6.0
A7	Laying Fiber Optic Cables - including civil works	15.0	5.0	95.8	14.4
A8	Electrical Substation Civil Works	8.0	0.5	99.5	8.0
	Total	100.0	1.1	99.2	99.2

Table 6-2: Civil works progress detail

Cod.	Description	Weight	PROGRESS	PROGRESS	Overall
Cou.	Description	[%]	Monthly	Cumulat.	Progress

⁵ Information gained on September 21, 2023 during a call with the Sponsor

			Act.	Act	
			[%]	[%]	
B1	Electrical Substation equipment Supply	70.0	-	100.0	70.0
B2	MV, FO and HV Cables Supply	30.0	-	100.0	30.0
Total		100.0	-	100.0	100.0

Table 6-3: SSE & Electrical Cables Procurement progress detail

		Weight	PROGRESS	PROGRESS	
Cod.	Description	[%]	Monthly	Cumulat.	Overall
Cou.	Description		Act.	Act	Progress
			[%]	[%]	
C1	Notice to proceed	20.0	-	100.0	20.0
C2	Delivery on site Anchor Bolts	10.0	-	100.0	10.0
C3	Ex-Works Delivery	60.0	-	100.0	60.0
C4	Installation & Take Over	10.0	1.5	91.5	9.2
Total		100.0	0.2	99.2	99.2

Table 6-4: WTGs Procurement & Installation progress detail

		Weight	PROGRESS	PROGRESS	
Cod	Cod. Description	[%]	Monthly	Cumulat.	Overall
Cou.			Act.	Act	Progress
			[%]	[%]	
D1	Design & technical consulting	40.0	2.0	99.0	39.6
D2	Operations Management	60.0	1.0	97.7	58.6
Total		100.0	1.4	98.2	98.2

Table 6-5: Design & Management detail

7 Budget

The incurred construction costs, based on the EPC Contract milestones, are reported in the table below, as per the version of the schedule updated and approved at July 2023.

Month	SAL [k€]	%	Milestone
Milestones achiev	ed		·
4 July 2019	10,954.3	26.0%	Advance payment EPC
FY19	10,954.3	26.0%	
Dec-20	1,053.3	2.5%	WTG Contract/SSE Contract
FY20	1,053.3	2.5%	
Feb-21	632.0	1.5%	Cable Supply Contract
Jun-21	842.6	2.0%	Cables EXW
Jun-21	2,527.9	6.0%	Site Delivery Anchor bolts
Aug-21	8,426,4	20.0%	No. 5 WTGs EXW batch 1
Nov-21	8,005,1	19.0%	No. 5 WTGs EXW batch 2
Dec-21	1,264.0	3.0%	Transformer EXW
FY21	21,698.0	51.5%	
Aug-22	842.6	2.0%	Cables delivery on site
Dec-22	842.6	2.0%	WTG Foundation 50% completed
FY22	1,685.2.8	4.0%	
Mar-23	842.6	2.0%	Transformer delivery on site
Apr-23	842.6	2.0%	WTG Foundation 100% completed
Jul-23	421.3	1.0%	Mechanical completion
Aug-23	421.3	1.0%	SSE Energization
Milestones not ye	t achieved		
Sep-23	4,213.2	10.0%	Provisional Acceptance Certificate
FY23	6,741.0	16.0%	

Tabella 7-1: EPC Contract Milestones status

The TA confirms that the "Mechanical completion" and the "SSE Energization" milestones have technically occurred, and the relevant milestone payments from Renexia Services as EPC contractor have been made on July 05, 2023 and on July 28, 2023 (see also LT 23 157_F454 - Casalduni WF_n.14 Draw Down Certificate dated July 26, 2023 and LT 23 170_F454 - Casalduni WF_n.15 Draw Down Certificate dated August 02, 2023).

8 Permitting and Lands rights

An updated status of the authorization process and events occurred in the Reference Period, related to permits and land rights, is provided in the following.

8.1 Permitting

Nothing to report in the Reference Period.

8.2 Lands rights

Nothing to report in the Reference Period.

9 HSE

The TA is not aware of any HSE issue in the Reference Period.

No HSE reports have been provided to the TA.

10Site Visit

The last site visit was performed by the TA on July 13, 2023, the next inspection will be performed in the coming weeks.

11 Other Pictures



Figure 11-1 - Substation completed

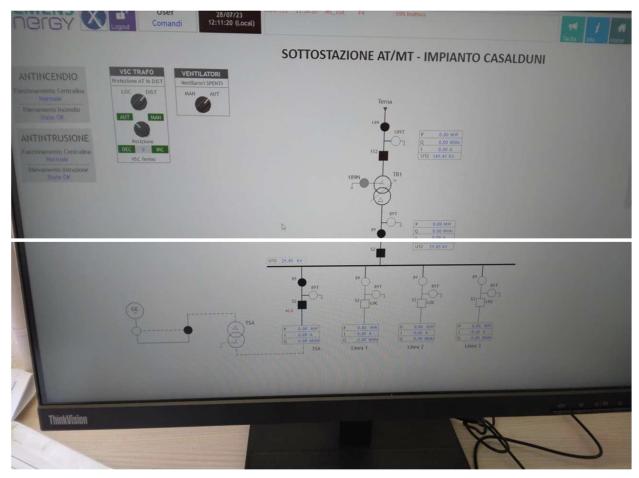


Figure 11-2 - SCADA

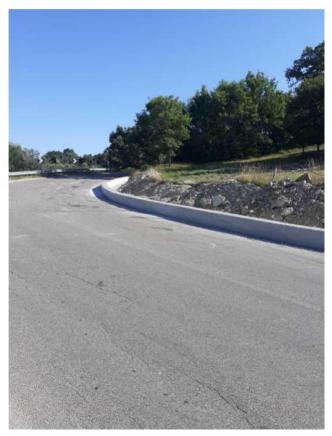


Figure 11-3 - Restoration work on external roads ongoing



Figure 11-4 - Laying of MV cables on external roads

Key References

Doc. Ref.	Title	File Name	Version / Date
1	Time schedule	Renexia Services P.E.C.H. – Programme nov2020.pdf	February 2021
2	Project Schedule updated, February 2023	Revised Draft Timetable.xlsm Casalduni - Energization Programme.pdf	February 2023
3	Project Schedule updated, April 2023	Copia di Planning WF_Casalduni 10 x G132 T114 3465MW April Draft.pdf	April 2023
4	Construction Report July- August 2023	20230831_report costruzione Casalduni clean.pdf	September 14, 2023

Abbreviations

BOP Balance of Plant CAPEX **Capital Expenditures**

COD **Commercial Operation Date**

EPC **Engineering Procurement and Construction**

EXW EX Works (Franco Fabbrica)

HVHigh Voltage

IEC International Electrotechnical Commission

kW Kilowatt

kWh Kilowatt-hour

LD Liquidated Damage

LV Low Voltage

MCR Major Components Replacement

MLA Mandated Lead Arranger

MP Monopile

MW Megawatt (1,000 kW)

MWh Megawatt-hour (1,000 kWh)

MV Medium Voltage

0&M Operation and Maintenance

PC **Project Company**

RTN "Rete elettrica di Trasmissione Nazionale", High Voltage National Transmission Network

SCADA Supervision Control and Data Acquisition SSE "Sotto-stazione Elettrica", electrical substation

TΑ **Technical Advisor** TOC Take Over Certificate VAT Value Added Tax

WF Wind Farm

WTG Wind Turbine Generator