

Wind Farm CASALDUNI

Inspector	Ing. Matteo Canevello
Attendants to the inspection	Ing. Raffaele Petrucciolo
Inspection Date	07.11.22

Definitions

Category of Defect	Description of Category	Results of Inspection
Minor Defect	defect to be remedied	NO finding
Major Defect	major defect to be remedied on short term	NO findings
Critical defect	safety critical defect, immediate action to be taken	NO findings
n.a.	not applicable in this type of turbine	

Findings

No.	Category	Description of Defect	Defect cat.

General Information on wind farm


1	Wind Farm Information	
1.1	Wind Farm	PARCO EOLICO CASALDUNI
1.2	Location	CASALSUNI/PONTELANDOLFO, Benevento, Campania, Italy
1.3	Status	In construction
1.4	Commissioned	-

2	Wind Turbine Information	
2.1	Manufacturer	Siemens Gamesa Renewable Energy Wind
2.2	Type / Capacity	G132 / 3.645 MW
2.3	Wind farm capacity	34.65 MW
2.4	Rotor diameter	132 m
2.5	Hub height	114 m

Minor Defect
Major Defect
Critical Defect
n.a.

defect to be remedied
major defect to be remedied on short term
safety critical defect, immediate action to be taken
not applicable in this type of turbine



Inspection

3	Access to the site		
3.1	Roads		<p>No relevant defect raised during the inspection</p>

Roads in good condition



Minor Defect
Major Defect
Critical Defect
n.a.

defect to be remedied
major defect to be remedied on short term
safety critical defect, immediate action to be taken
not applicable in this type of turbine

4	WTG08		
4.1	Crane platform	 <p data-bbox="826 1048 1038 1077">Works completed</p>	No relevant defect raised during the inspection
4.2	Foundation	 <p data-bbox="579 1709 1286 1738">Foundation piles successfully tested and backfill completed</p>	No relevant defect raised during the inspection
4.3	WTG	Yet to be erected	

Minor Defect
Major Defect
Critical Defect
n.a.

defect to be remedied
major defect to be remedied on short term
safety critical defect, immediate action to be taken
not applicable in this type of turbine

5	WTG09	
5.1	Crane platform	 <p>Works completed</p>
5.2	Foundation	 <p>Foundation piles successfully tested and backfill completed</p>
5.3	WTG	Yet to be erected



Minor Defect
Major Defect
Critical Defect
n.a.

defect to be remedied
major defect to be remedied on short term
safety critical defect, immediate action to be taken
not applicable in this type of turbine

6	WTG10		
6.1	Crane platform		No relevant defect raised during the inspection
6.2	Foundation	 <p>backfill works ongoing</p>	No relevant defect raised during the inspection
6.3	WTG	Yet to be erected	
7	WTG11		
7.1	Crane platform		No relevant defect raised during the inspection



Minor Defect
Major Defect
Critical Defect
n.a.

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7.2	Foundation	 <p data-bbox="807 869 1075 902">backfill works ongoing</p>	No relevant defect raised during the inspection
7.3	WTG	Yet to be erected	
8	WTG13		
8.1	Crane platform	No relevant defect raised during the inspection	
8.2	Foundation	 <p data-bbox="767 1832 1115 1865">Foundation piles to be tested</p>	No relevant defect raised during the inspection
8.3	WTG	Yet to be erected	

Minor Defect
Major Defect
Critical Defect
n.a.


defect to be remedied
major defect to be remedied on short term
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not applicable in this type of turbine

9	WTG14		
9.1	Crane platform	 <p style="text-align: center;">preliminary works ongoing</p>	No relevant defect raised during the inspection
9.2	Foundation	 <p style="text-align: center;">Foundation piles to be tested</p>	No relevant defect raised during the inspection
9.3	WTG	Yet to be erected	

Minor Defect
Major Defect
Critical Defect
n.a.



defect to be remedied
major defect to be remedied on short term
safety critical defect, immediate action to be taken
not applicable in this type of turbine

10	WTG18		
10.1	Crane platform		No relevant defect raised during the inspection
10.2	Foundation	 <p>Works completed. Since it is a direct foundation no pile has to be tested</p>	No relevant defect raised during the inspection
10.3	WTG	Yet to be erected	

11	WTG3		
11.1	Crane platform	 <p>Preliminary works ongoing</p>	No relevant defect raised during the inspection
11.2	Foundation		

Minor Defect
Major Defect
Critical Defect
n.a.

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11.3	WTG	Yet to be erected	
12	WTG04		
12.1	Crane platform	 <p>Preliminary works ongoing</p>	No relevant defect raised during the inspection
12.2	Foundation		
12.3	WTG	Yet to be erected	
13	WTG05		
13.1	Crane platform	 <p>works to start in the following weeks</p>	
13.2	Foundation		
13.3	WTG	Yet to be erected	


Minor Defect
Major Defect
Critical Defect
n.a.

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14	Underground MV line		
14.1	Trenches and cable laying	Waiting for new cables after the theft occurred during September	
15	Electrical Substation		
15.1	Civil works	 <p data-bbox="778 1854 1102 1899">Cabins foundation platform</p>	No relevant defect raised during the inspection

Minor Defect
Major Defect
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15.2	Civil works	 <p data-bbox="842 1279 1038 1312">Trafo AV/MV pit</p>	No relevant defect raised during the inspection
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Major Defect
Critical Defect
n.a.

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