


Wind Farm CASALDUNI

Inspector	Ing. Matteo Canevello
Attendants to the inspection	Ing. Raffaele Petrucciolo
Inspection Date	05.04.23

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.
	Punch list	 <p>Component damaged during the transportation, to be restored before the erection.</p>	Minor Defect

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	Roads in good condition	No relevant defect observed during the inspection
4	WTG08		
4	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect observed during the inspection
4	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect observed during the inspection

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 WTG



No relevant
defect
observed
during the
inspection



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



Erection activities ongoing

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	Crane platform	Works completed; restoration works to be done after the WTG erection completion	No relevant defect observed during the inspection
5	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect observed during the inspection
5	WTG		No relevant defect observed during the inspection

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



Blades installation



Erection activities ongoing

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	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect observed during the inspection
6	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect observed during the inspection
6	WTG	 <p>Tower installed</p>	No relevant defect observed during the inspection


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

7	WTG11		
7	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect observed during the inspection
7	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect observed during the inspection
7	WTG	 <p>Erection expected in the next days</p>	No relevant defect observed during the inspection

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

8	WTG13		
8.1	Crane platform	 <p>Works completed, restoration works to be done after the WTG erection completion</p>	No relevant defect observed during the inspection
8.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect observed during the inspection

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

8.3 WTG




Erection expected in the next days

No relevant
defect
observed
during the
inspection



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

9	WTG14		
9	Crane platform	<div><p>works ongoing</p></div>	No relevant defect observed during the inspection
9	Foundation	Foundation poured, backfill works ongoing	No relevant defect observed during the inspection
9	WTG	No installation activities started	


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

1	WTG18		
1	Crane platform	 <p>Finishing works ongoing</p>	No relevant defect observed during the inspection
1	Foundation	 <p>Backfill works ongoing</p>	No relevant defect observed during the inspection
1	WTG	No installation activities started	


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

11	WTG3		
11.1	Crane platform	works ongoing	No relevant defect observed during the inspection
11.2	Foundation	 <p>Foundation poured, backfill works ongoing</p>	No relevant defect observed during the inspection
11.3	WTG	No installation activities started	


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

1	WTG04		
1	Crane platform	works ongoing	No relevant defect observed during the inspection
1	Foundation	 <p>Foundation poured</p>	
1	WTG	No installation activities started	

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

13	WTG05		
13.1	Crane platform	works ongoing	No relevant defect observed during the inspection
13.2	Foundation	 <p>Foundation poured, backfill works ongoing</p>	No relevant defect observed during the inspection
13.3	WTG	No installation activities started	

Minor Defect
Major Defect
Critical Defect
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Underground MV line			
13.4	Trenches and cable laying	 <p>Works ongoing, the delivery of the cable will follow the work progress</p>	No relevant defect observed during the inspection

Electrical Substation			
13.5	Civil works	 <p>Minor civil works expected to be completed soon</p>	No relevant defect observed during the inspection
13.6	Cabins	Switchgears expected to be delivered and installed by mid-April 2023	No relevant defect observed during the inspection

Minor Defect
Major Defect
Critical Defect
n.a.

defect to be remedied
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