


## Wind Farm CASALDUNI

Inspector	Ing. Matteo Canevella
Attendants to the inspection	Ing. Raffaele Petrucciolo
Inspection Date	04.05.2023

### 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 almost restored.</p>	

## 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 raised during the inspection
4	WTG08		
4.1	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
4.2	Foundation	Foundation piles successfully tested and backfill completed	No relevant defect raised during the inspection
4.3	WTG	Erection successfully performed	No relevant defect raised 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

5	WTG09		
5.1	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
5.2	Foundation	Foundation piles successfully tested and backfill completed, waiting for the WTG erection	No relevant defect raised during the inspection
5.3	WTG	Erection successfully performed 	No relevant defect raised during the inspection
6	WTG10		
6.1	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
6.2	Foundation	Foundation piles successfully tested and backfill completed, waiting for the WTG erection	No relevant defect raised 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

6.3	WTG	<p>Erection successfully performed</p> 	<p>No relevant defect raised during the inspection</p>
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7	WTG11		
7.1	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
7.2	Foundation	Foundation piles successfully tested and backfill completed, waiting for the WTG erection	No relevant defect raised during the inspection
7.3	WTG	Works ongoing	No relevant defect raised 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	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
8.2	Foundation	backfill works completed	No relevant defect raised during the inspection
8.3	WTG	Works ongoing	No relevant defect raised during the inspection

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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		
9.1	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
9.2	Foundation	backfill works completed	No relevant defect raised during the inspection
9.3	WTG	Works ongoing	No relevant defect raised during the inspection

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Major Defect  
Critical Defect  
n.a.

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10	WTG18		
10.1	Crane platform	Works completed, restoration works to be done after the WTG erection completion	No relevant defect raised during the inspection
10.2	Foundation	backfill works almost completed	No relevant defect raised during the inspection
10.3	WTG	Works ongoing	No relevant defect raised during the inspection

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Major Defect  
Critical Defect  
n.a.

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11	WTG3		
11.1	Crane platform	works ongoing	No relevant defect raised during the inspection


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Major Defect  
Critical Defect  
n.a.

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11.2	Foundation	 <p>Foundation poured, backfill works ongoing</p>	No relevant defect raised during the inspection
11.3	WTG	Yet to be erected	
12	WTG04		
12.1	Crane platform	works ongoing	No relevant defect raised during the inspection
12.2	Foundation	 <p>Foundation poured, backfill works ongoing</p>	No relevant defect raised during the inspection
12.3	WTG	Yet to be erected	

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Major Defect  
Critical Defect  
n.a.

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13	WTG05		
13.1	Crane platform	works ongoing	No relevant defect raised during the inspection
13.2	Foundation	 <p>Foundation poured, backfill works ongoing</p>	No relevant defect raised during the inspection
13.3	WTG	Yet to be erected	
14	Underground MV line		
14.1	Trenches and cable laying	Works ongoing, the delivery of the cable will be done time to time the work progress	No relevant defect raised during the inspection

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Major Defect  
Critical Defect  
n.a.

defect to be remedied  
major defect to be remedied on short term  
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15	Electrical Substation		
15.1	Civil works	Minor civil works expected to be completed soon	No relevant defect raised during the inspection
15.2	Cabins	Switchgears expected delivered and installed	No relevant defect raised during the inspection

Minor Defect  
Major Defect  
Critical Defect  
n.a.

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