



**COMUNE DI  
LUOGOSANTO**



**REGIONE AUTONOMA  
DELLA SARDEGNA**



**COMUNE DI  
AGLIENTU**

**PROGETTO PER LA REALIZZAZIONE E  
L'ESERCIZIO DI UN IMPIANTO DI  
PRODUZIONE DI ENERGIA ELETTRICA DA  
FONTE EOLICA DENOMINATO "PARCO  
EOLICO LUOGOSANTO", DELLA POTENZA DI  
95.2 MW, LOCALIZZATO NEL COMUNE DI  
LUOGOSANTO, E DELLE SOLE OPERE ED  
INFRASTRUTTURE CONNESSE PER IL  
COLLEGAMENTO IN ANTENNA 36 KV CON  
UNA NUOVA STAZIONE ELETTRICA (SE)  
DELLA RTN A 150 KV/36KV DA INSERIRE IN  
ENTRA-ESCE ALLA LINEA RTN A 150 KV  
"AGLIENTU-S. TERESA", SITA NEL COMUNE DI  
AGLIENTU.**

## PROPONENTE

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DATA	REVISIONE

ELABORATO
RTS11.A8



**Studio di impatto acustico**  
scenari di progetto - mappe notturne

Scenario di Progetto - STEP 1 Uz(10m)=2m/s

Nome	Utilizzo	Piano	Direzione	Lim (6-22)	Lim (22-6)	R_AO		L(6-22)	L(22-6)	L(6-22)	L(22-6)	Diff	Diff
						[dB(A)]	[dB(A)]						
R_1.1	26	p. terra	SE	70	70	40.1	34.3	40.6	35.9	0.5	1.6		
R_1.2	26	p. terra	N	70	70	36.4	29.2	39.7	37.7	3.3	8.5		
R_1.3	26	p. terra	NE	70	70	30.1	25.1	32.5	30.4	2.4	5.3		
R_1.4	26	p. terra	S	70	70	17.8	12.3	23.4	22.5	5.6	10.2		
R_2.1	26	p. terra	NW	70	70	36.6	29.9	38.0	34.4	1.4	4.5		
R_2.2	26	p. terra	SE	70	70	33.1	28.1	38.3	37.3	5.2	9.3		
R_2.3	26	p. terra	SE	70	70	48.8	41.3	48.8	41.6	0.1	0.3		
R_2.4	26	p. terra	SW	70	70	42.9	36.1	43.0	36.5	0.1	0.5		
R_2.5	26	p. terra	S	70	70	50.9	43.5	50.9	43.6	0.0	0.1		
R_3.1	26	p. terra	S	70	70	28.3	22.1	36.2	35.6	7.8	13.5		
R_3.2	26	p. terra	SW	70	70	26.1	21.2	35.1	34.7	9.1	13.6		
R_3.3	26	p. terra	SE	70	70	25.8	19.7	35.5	35.3	10.8	15.6		
R_5.1	26	p. terra	N	70	70	21.8	16.2	32.3	32.1	10.6	15.9		
R_5.2	26	p. terra	N	70	70	25.8	20.3	36.3	36.0	10.4	15.6		
R_6.1	26	p. terra	N	70	70	26.0	20.3	35.8	35.5	9.8	15.3		
R_6.2	26	p. terra	W	70	70	36.3	29.7	37.5	33.5	1.2	3.8		
R_6.3	26	p. terra	NW	70	70	25.3	20.1	35.8	35.5	10.5	15.3		
R_7.1	26	p. terra	SW	70	70	35.4	29.9	37.8	35.4	2.4	5.6		
R_8.1	26	p. terra	S	70	70	40.6	32.4	40.8	33.8	0.2	1.4		
R_8.2	26	p. terra	SW	70	70	36.5	28.6	37.4	32.5	0.9	3.9		
R_8.3	26	p. terra	S	70	70	39.4	31.5	39.9	33.7	0.4	2.2		
R_8.4	26	p. terra	W	70	70	30.3	25.2	34.5	33.7	4.2	8.0		
R_8.5	26	p. terra	W	70	70	34.6	27.1	36.4	33.0	1.8	5.8		
R_8.6	26	p. terra	SW	70	70	45.6	36.2	45.7	36.9	0.1	0.7		
R_8.7	26	p. terra	NW	70	70	49.7	40.3	49.8	40.6	0.0	0.3		
R_8.8	26	p. terra	W	70	70	50.3	40.6	50.3	40.9	0.0	0.3		
R_8.9	26	p. terra	SW	70	70	48.1	38.3	48.2	38.9	0.1	0.6		
R_8.10	26	p. terra	W	70	70	28.2	19.5	36.8	36.3	8.6	16.8		
R_8.11	26	p. terra	W	70	70	29.9	22.2	34.1	32.4	4.2	10.3		
R_9.1	26	p. terra	N	70	70	42.9	36.0	44.6	41.2	1.7	5.9		
R_9.2	26	p. terra	SW	70	70	37.9	32.3	40.3	38.0	2.4	5.7		
R_9.3	26	p. terra	N	70	70	39.7	33.7	40.8	37.1	1.1	3.4		
R_9.4	26	p. terra	SW	70	70	37.2	31.8	39.9	37.7	2.6	6.0		
R_9.5	26	p. terra	SW	70	70	48.2	40.8	48.3	41.8	0.2	0.8		
R_10.1	26	p. terra	S	70	70	48.1	39.5	48.3	40.8	0.2	1.3		
R_10.2	26	p. terra	NW	70	70	38.8	31.4	40.6	37.2	1.8	5.8		
R_12.1	26	p. terra	S	70	70	43.3	35.8	43.4	36.5	0.1	0.7		
R_12.2	26	p. terra	W	70	70	31.9	24.7	32.2	30.0	0.3	1.3		
R_12.3	26	p. terra	SE	70	70	41.1	32.4	41.8	36.2	0.7	3.8		
R_13.1	26	p. terra	S	70	70	26.1	19.4	31.4	30.3	5.3	10.9		
R_14.1	26	p. terra	W	70	70	33.8	27.1	34.2	28.5	0.3	1.4		

Scenario di Progetto - STEP 2 Uz(10m)=3m/s

Nome	Utilizzo	Piano	Direzione	Lim (6-22)	Lim (22-6)	R_AO		L(6-22)	L(22-6)	L(6-22)	L(22-6)	Diff	Diff
						[dB(A)]	[dB(A)]						
R_1.1	26	p. terra	SE	70	70	40.1	34.3	40.8	36.4	0.7	2.2		
R_1.2	26	p. terra	N	70	70	36.4	29.2	40.7	39.1	4.3	9.9		
R_1.3	26	p. terra	NE	70	70	30.1	25.1	33.3	31.5	3.2	6.4		
R_1.4	26	p. terra	S	70	70	17.8	12.3	28.6	23.9	6.9	11.7		
R_2.1	26	p. terra	NW	70	70	36.6	29.9	38.5	35.5	1.9	5.6		
R_2.2	26	p. terra	SE	70	70	33.1	28.1	39.4	38.7	6.3	10.6		
R_2.3	26	p. terra	SE	70	70	48.8	41.3	48.8	41.7	0.1	0.4		
R_2.4	26	p. terra	SW	70	70	42.9	36.1	43.0	36.7	0.1	0.6		
R_2.5	26	p. terra	S	70	70	50.9	43.5	50.9	43.7	0.0	0.2		
R_3.1	26	p. terra	S	70	70	28.3	22.1	37.5	37.1	9.2	15.1		
R_3.2	26	p. terra	SW	70	70	26.1	21.2	36.8	36.5	10.7	15.9		
R_3.3	26	p. terra	SE	70	70	25.8	19.7	38.0	37.8	12.3	18.2		
R_5.1	26	p. terra	N	70	70	21.8	16.2	33.8	33.5	12.0	17.4		
R_5.2	26	p. terra	N	70	70	25.8	20.3	37.7	37.5	11.9	17.2		
R_6.1	26	p. terra	N	70	70	26.0	20.3	37.3	37.0	11.2	16.8		
R_6.2	26	p. terra	W	70	70	36.3	29.7	37.9	34.5	1.6	4.9		
R_6.3	26	p. terra	NW	70	70	25.3	20.1	37.2	37.0	12.0	16.9		
R_7.1	26	p. terra	SW	70	70	35.4	29.9	38.5	36.6	3.1	6.8		
R_8.1	26	p. terra	S	70	70	40.6	32.4	41.0	34.4	0.4	2.0		
R_8.2	26	p. terra	SW	70	70	36.5	28.6	37.8	33.5	1.3	4.9		
R_8.3	26	p. terra	S	70	70	39.4	31.5	40.0	34.4	0.6	2.9		
R_8.4	26	p. terra	W	70	70	30.3	25.2	35.6	34.6	5.3	9.4		
R_8.5	26	p. terra	W	70	70	34.6	27.1	37.0	34.2	2.4	7.1		
R_8.6	26	p. terra	SW	70	70	45.6	36.2	45.7	37.2	0.1	1.0		
R_8.7	26	p. terra	NW	70	70	49.7	40.3	49.8	40.7	0.1	0.4		
R_8.8	26	p. terra	W	70	70	50.3	40.6	50.3	41.0	0.0	0.4		
R_8.9	26	p. terra	SW	70	70	48.1	38.3	48.2	39.1	0.1	0.8		
R_8.10	26	p. terra	W	70	70	28.2	19.5	38.3	37.9	10.0	18.4		
R_8.11	26	p. terra	W	70	70	29.9	22.2	35.2	33.9	5.3	11.8		
R_9.1	26	p. terra	N	70	70	42.9	36.0	45.1	42.3	2.2	6.3		
R_9.2	26	p. terra	SW	70	70	37.9	32.3	39.2	3.1	6.8	12.1		
R_9.3	26	p. terra	N	70	70	39.7	33.7	41.2	38.1	1.6	4.3		
R_9.4	26	p. terra	SW	70	70	37.2	31.8	40.7	38.9	3.4	7.2		
R_9.5	26	p. terra	SW	70	70	48.2	40.8	48.4	42.1	0.3	1.2		
R_10.1	26	p. terra	S	70	70	48.1	39.5	48.4	41.2	0.3	1.7		
R_10.2	26	p. terra	NW	70	70	38.8	31.4	41.2	38.5	2.4	7.1		
R_12.1	26	p. terra	S	70	70	43.3	35.8	43.5	36.7	0.2	0.9		
R_12.2	26	p. terra	W	70	70	31.9	24.7	32.3	30.4	0.4	1.8		
R_12.3	26	p. terra	SE	70	70	41.1	32.4	42.1	37.2	1.0	4.8		
R_13.1	26	p. terra	S	70	70	26.1	19.4	32.6	31.8	6.5	12.4		
R_14.1	26	p. terra	W	70	70	33.8	27.1	34.3	29.0	0.5	1.8		

Scenario di Progetto - STEP 3 Uz(10m)=4m/s

Nome	Utilizzo	Piano	Direzione	Lim (6-22)	Lim (22-6)	R_AO		L(6-22)	L(22-6)	L(6-22)	L(22-6)	Diff	Diff
						[dB(A)]	[dB(A)]						
R_1.1	26	p. terra	SE	70	70	40.1	34.3	41.9	39.0	1.8	4.7		
R_1.2	26	p. terra	N	70	70	36.4	29.2	44.2	43.6	7.8	14.4		
R_1.3	26	p. terra	NE	70	70	30.1	25.1	36.3	35.6	6.2	10.5		
R_1.4	26	p. terra	S	70	70	17.8	12.3	28.7	28.5	11.0	16.2		
R_2.1	26	p. terra	NW	70	70	36.6	29.9	40.9	39.4	4.3	9.5		
R_2.2	26	p. terra	SE	70	70	33.1	28.1	43.9	43.6	10.8	15.5		
R_2.3	26	p. terra	SE	70	70	48.8	41.3	49.0	42.4	0.2	1.2		
R_2.4	26	p. terra	SW	70	70	42.9	36.1	43.3	37.9	0.4	1.8		
R_2.5	26	p. terra	S	70	70	50.9	43.5	51.0	44.1	0.1	0.6		
R_3.1	26	p. terra	S	70	70	28.3	22.1	42.0	41.8	13.6	19.8		
R_3.2	26	p. terra	SW	70	70	26.1	21.2	41.1	41.0	15.0	19.8		
R_3.3	26	p. terra	SE	70	70	25.8	19.7	42.7	42.6	16.9	22.9		
R_5.1	26	p. terra	N	70	70	21.8	16.2	38.3	38.2	16.5	22.0		
R_5.2	26	p. terra	N	70	70	25.8	20.3	42.4	42.3	16.6	22.0		
R_6.1	26	p. terra	N	70	70	26.0	20.3	41.9	41.8	15.8	21.5		
R_6.2	26	p. terra	W	70	70	36.3	29.7	40.0	38.3	3.7	8.6		
R_6.3	26	p. terra	NW	70	70	25.3	20.1	41.9	41.8	16.6	21.7		
R_7.1	26	p. terra	SW	70	70	35.4	29.9	41.7	40.9	6.3	11.0		
R_8.1	26	p. terra	S	70	70	40.6	32.4	41.6	36.7	1.0	4.3		
R_8.2	26	p. terra	SW	70	70	36.5	28.6	39.6	37.2	3.1	8.6		
R_8.3	26	p. terra	S	70	70	39.4	31.5	41.0	37.3	1.6	5.8		
R_8.4	26	p. terra	W	70	70	30.3	25.2	39.5	39.1	9.2	14.0		
R_8.5	26	p. terra	W	70	70	34.6	27.1	39.7	38.4	5.1	11.3		
R_8.6	26	p. terra	SW	70	70	45.6	36.2	45.9	38.7	0.4	2.5		