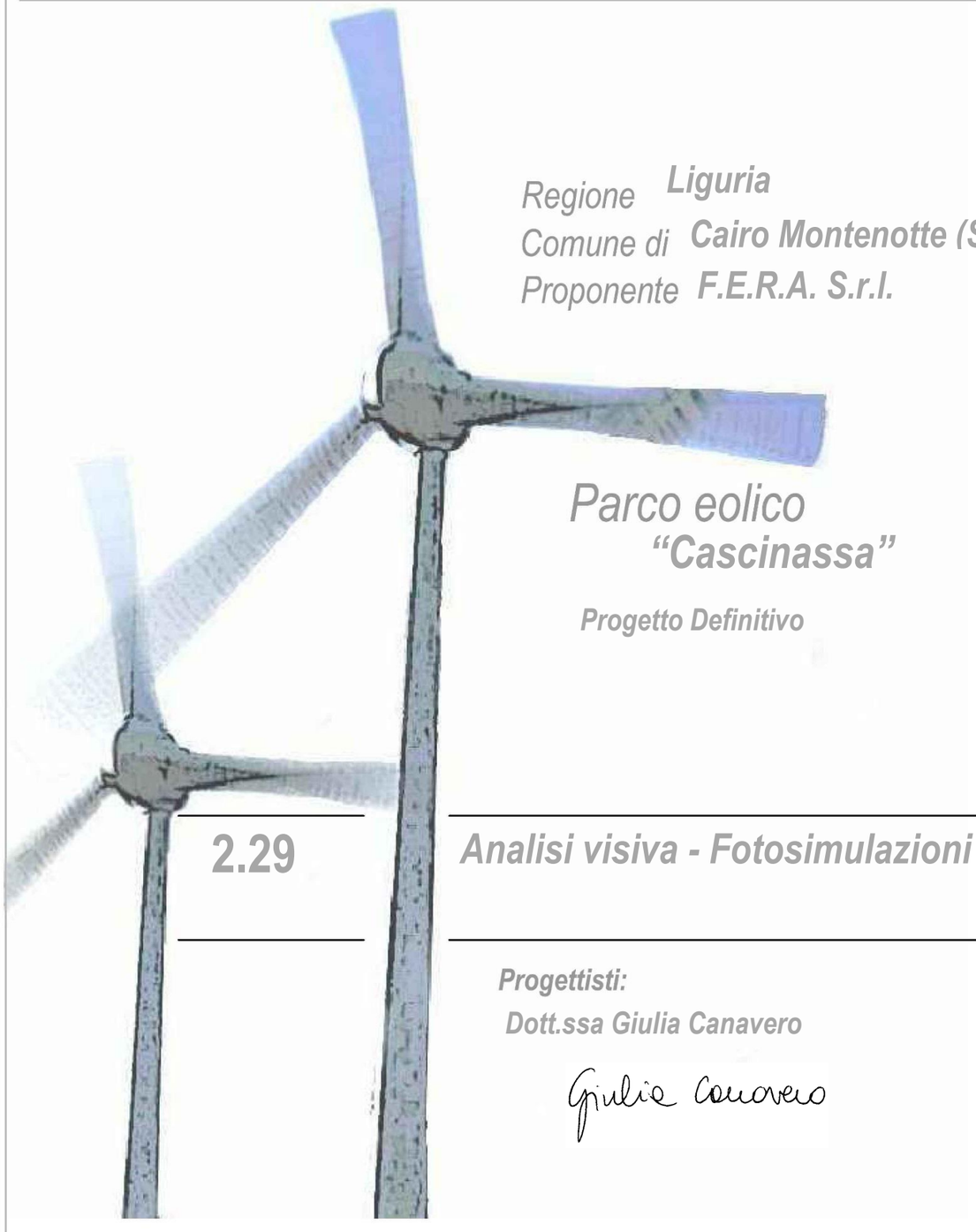
Fabbrica Energie Rinnovabili Alternative S.r.l.
Piazza Cavour, 7 - 20121 Milano
T: +39 02 62690471 F: +39 02 32066804
info@ferasrl.it; www.ferasrl.it
P.IVA 13393960151

Azienda con sistema di gestione qualità
certificato UNI EN ISO 9001:2008
certificatI n. 501008849 e 501008850



Regione Liguria
Comune di Cairo Montenotte (SV)
Proponente F.E.R.A. S.r.l.

Parco eolico "Cascinassa"

Progetto Definitivo

2.29

Analisi visiva - Fotosimulazioni

Progettisti:
Dott.ssa Giulia Canavero

Data	Rev.	Descrizione	Elaborato	Controllato	Approvato
20.06.2017	A	Prima emissione	Canavero	Canavero	Bertuccio

Comm. 61 Elaborato: CSN-2.29-A_Fotosimulazioni

E' vietata la riproduzione del presente documento, anche parziale, con qualsiasi mezzo, senza l'autorizzazione di F.E.R.A. S.r.l.

1. Introduzione

Obiettivo del presente documento è la descrizione delle fotosimulazioni operate con programmi informatici per conoscere i possibili effetti che si potranno generare nel paesaggio circostante in conseguenza della realizzazione dell'opera progettuale.

Di seguito si riportano le simulazioni fotografiche effettuate; ad ogni simulazione sono associate quattro immagini:

- una mostra il punto da cui è stata scattata la fotografia sulla ZVI;
- una mostra il punto da cui è stata scattata la fotografia sull'ortofoto;
- una è la fotografia che mostra lo stato di fatto;
- una è la rappresentazione digitale tridimensionale dell'area del parco vista dal punto scelto;
- una è la simulazione fotografica.

2. SIMULAZIONI FOTOGRAFICHE

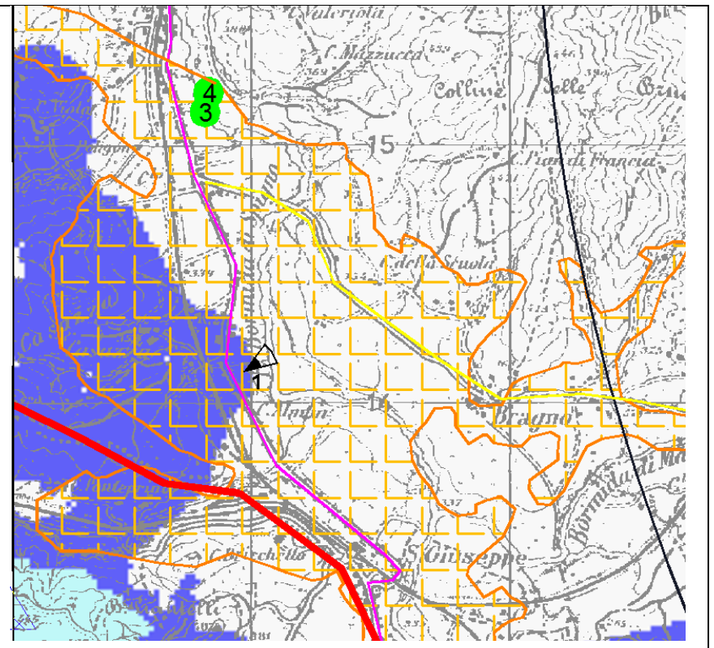
Il software elabora la cartografia vettoriale immessa in modo da creare un modello digitale del terreno così come si pone davanti ad un osservatore che si trova in un punto specificato e che guarda in direzione dell'impianto eolico.

Poiché nel programma vengono immessi anche i dati relativi alla localizzazione e alle dimensioni degli aerogeneratori, in automatico si ha anche la rappresentazione delle macchine così come sono collocate nel progetto e scalate a seconda della distanza cui si trova l'osservatore.

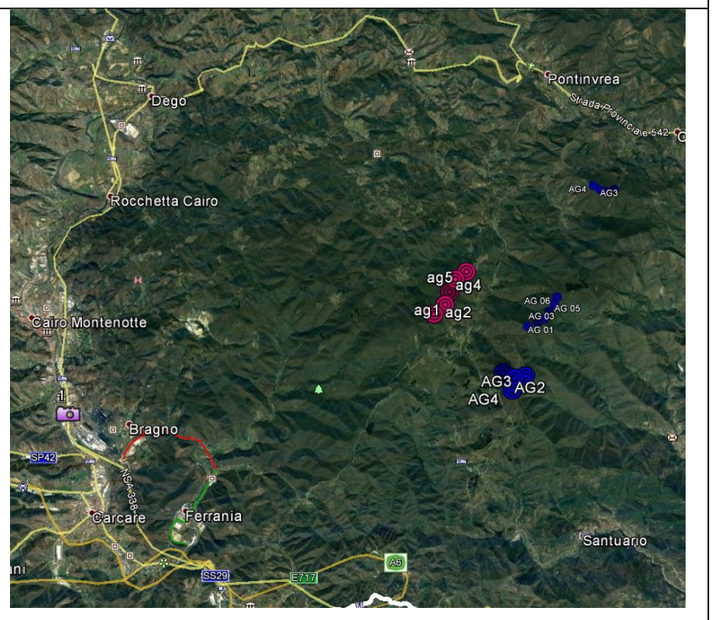
Il rendering finale è dato dalla sovrapposizione della fotografia scattata nel medesimo punto in direzione dell'impianto e dell'elaborazione delle turbine.

Punto 1: Da Casazza (9,5 km dal parco eolico)

PUNTO SU ZVI



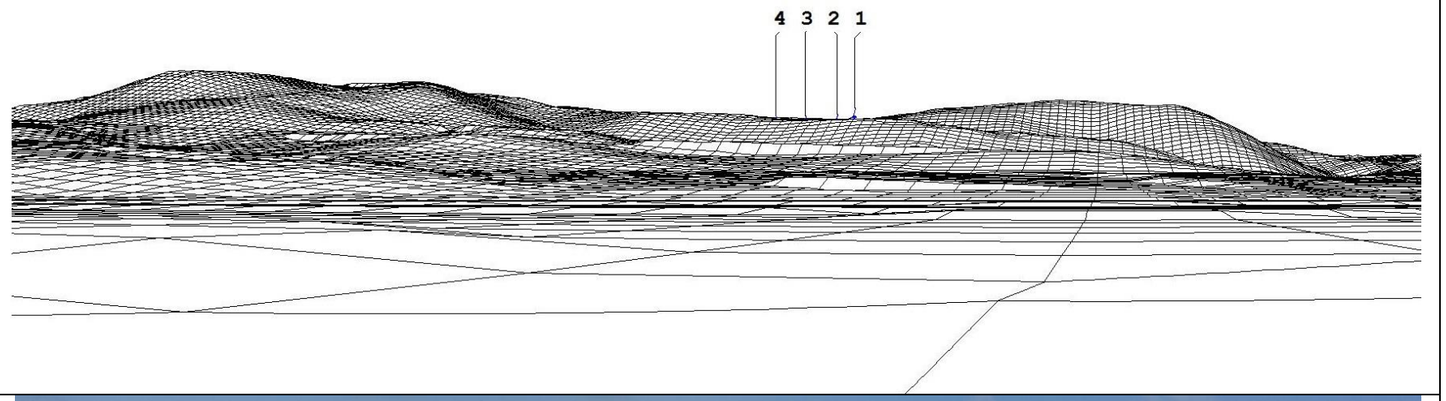
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



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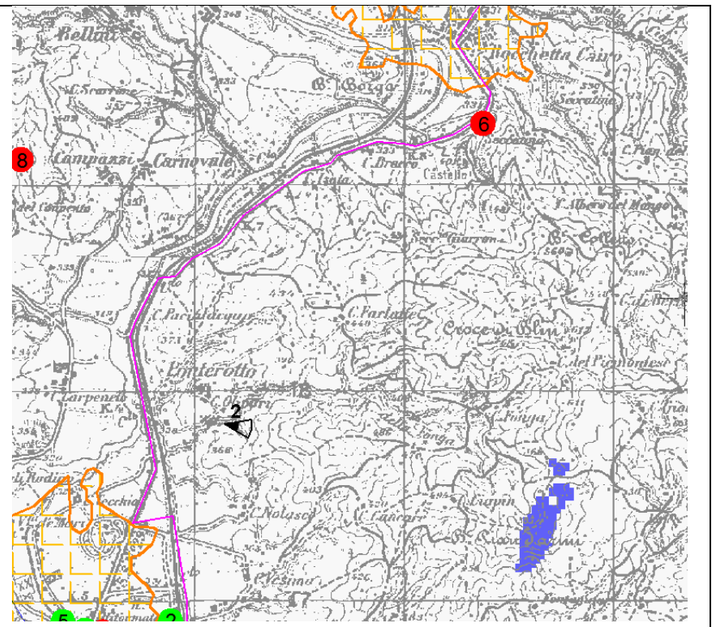


STATO DI PROGETTO

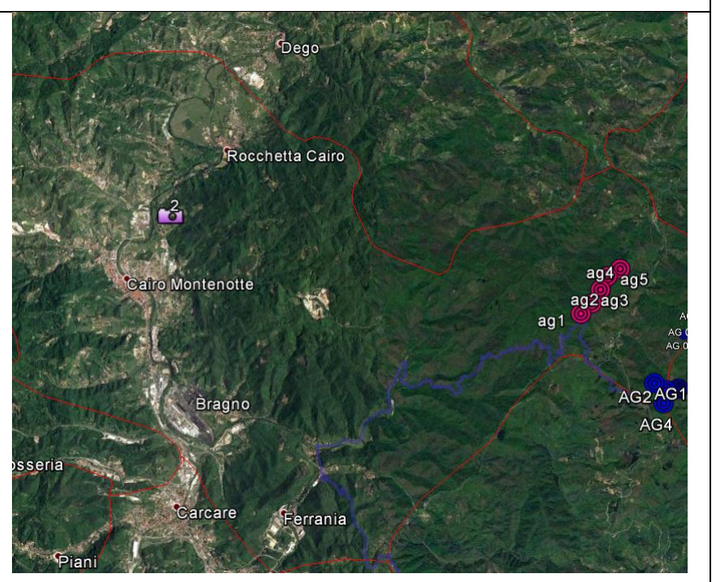


Punto 2: Da Ponterotto (9 km dal parco eolico)

PUNTO SU ZVI



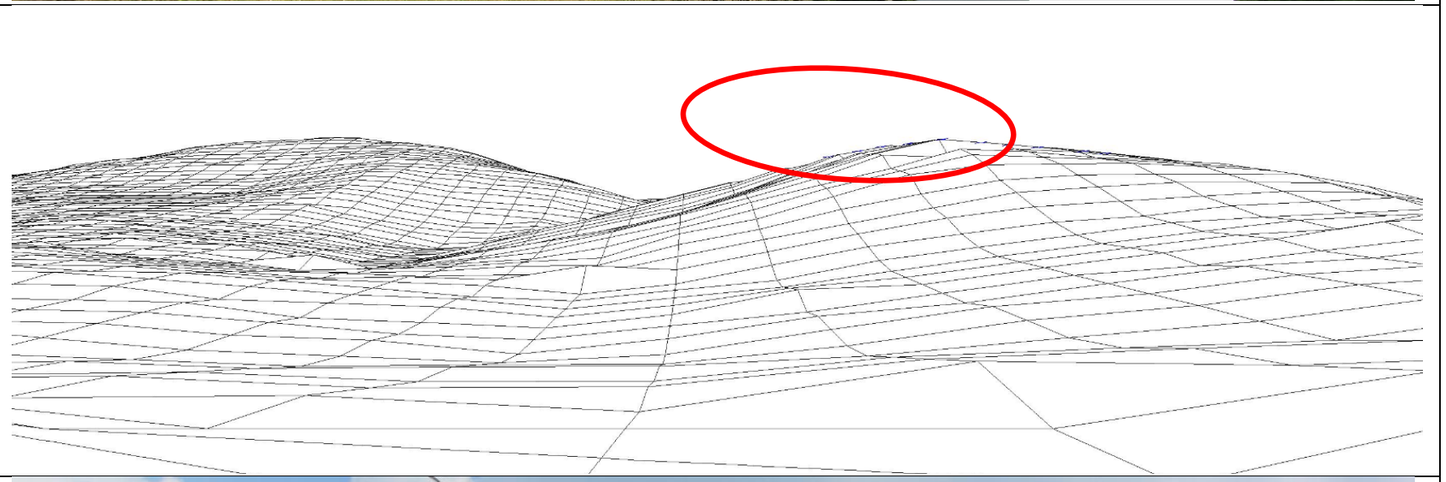
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



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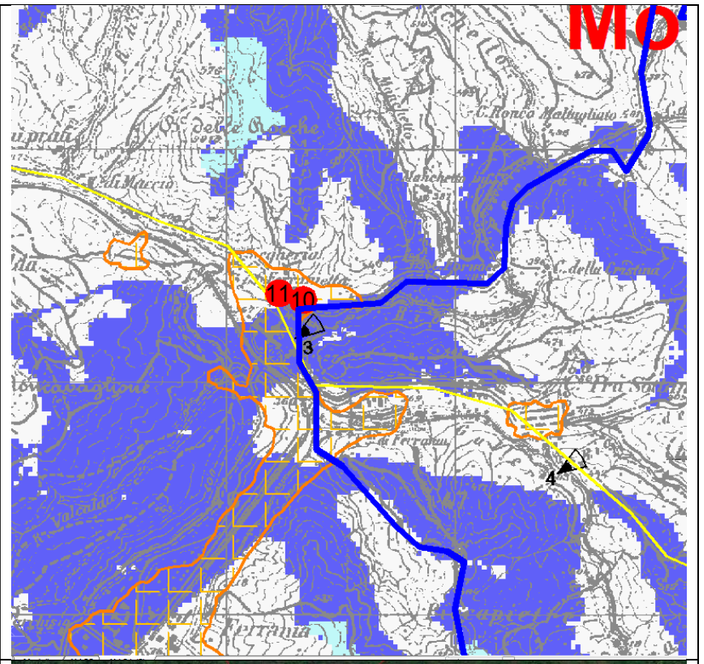


STATO DI PROGETTO

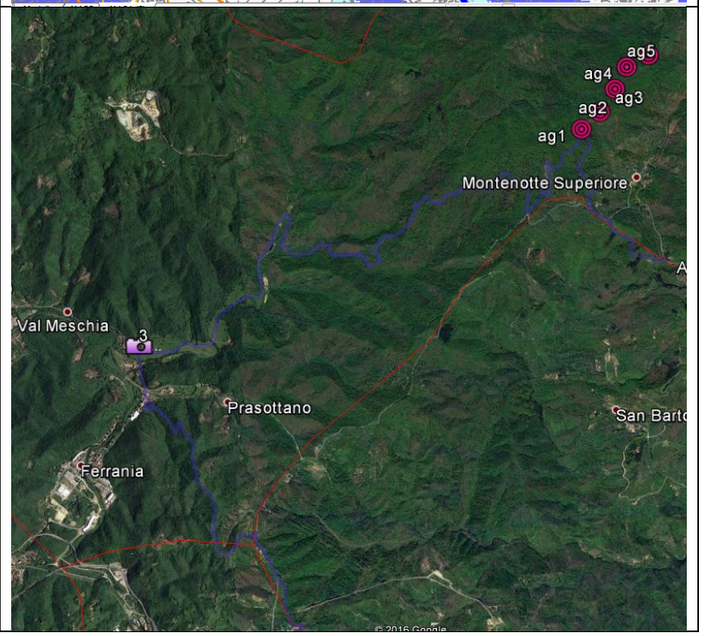


Punto 3: Da Ferrania (6 km dal parco eolico)

PUNTO SU ZVI



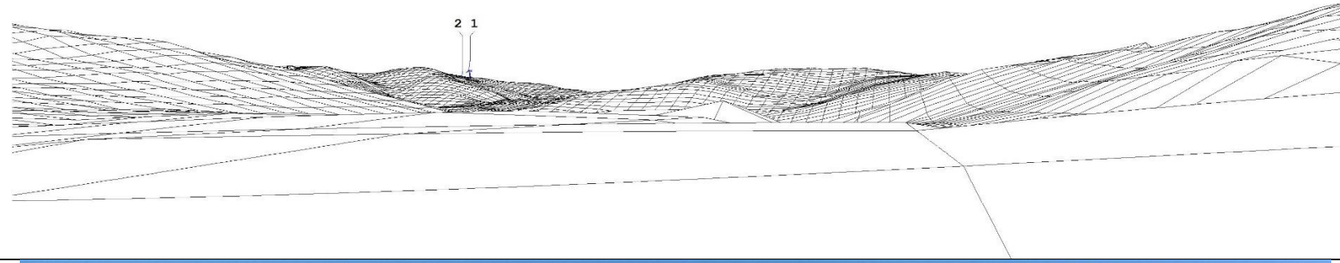
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



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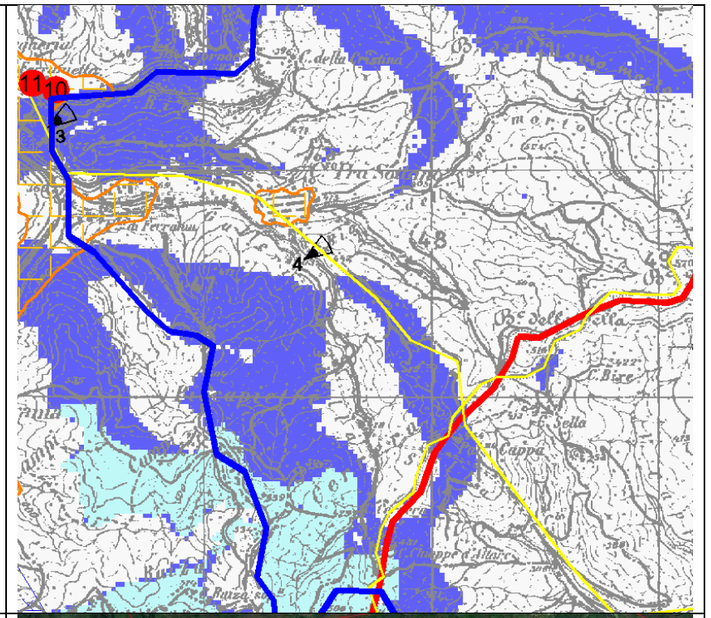


STATO DI PROGETTO

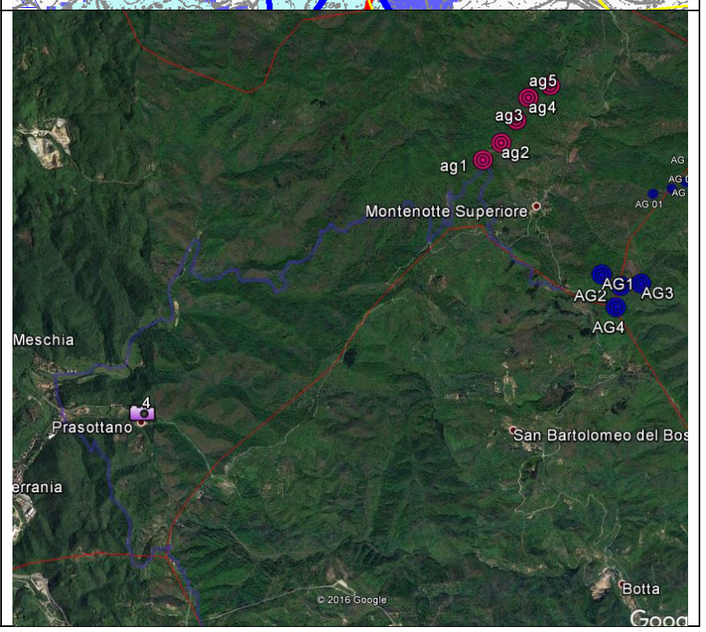


Punto 4: Da Prasottano (5 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

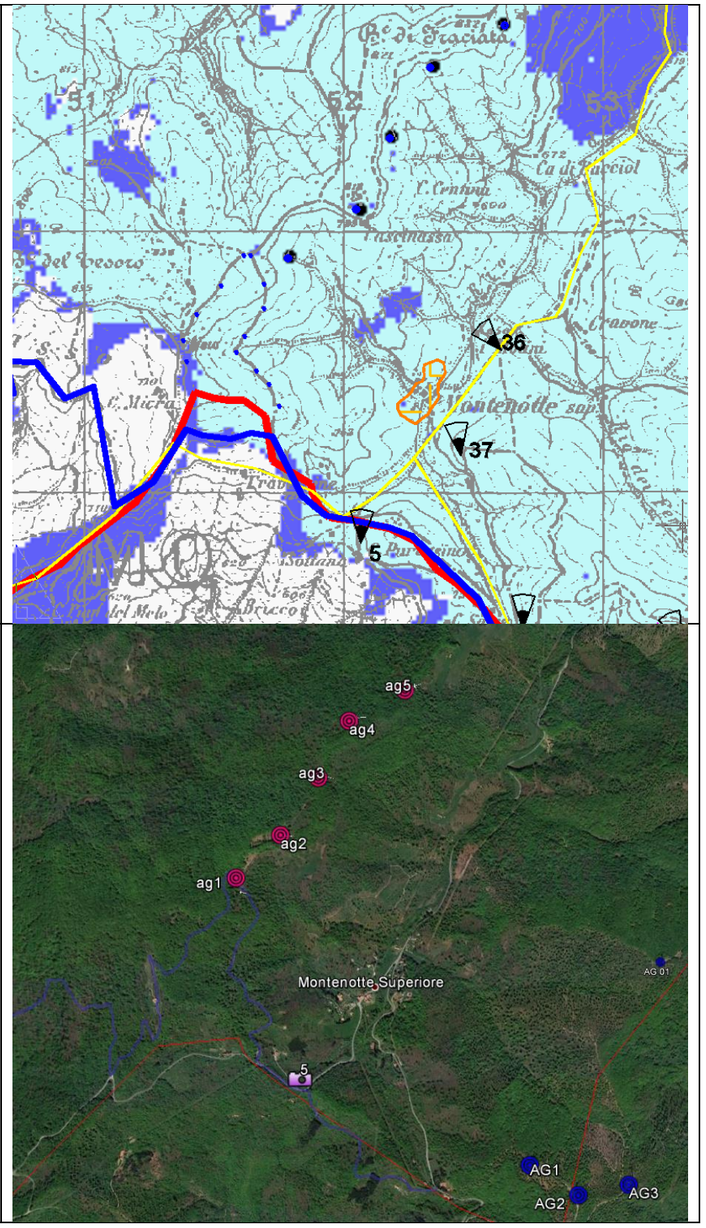


STATO DI PROGETTO



Punto 5: Da Montenotte Superiore (1 km dal parco eolico)

PUNTO SU ZVI

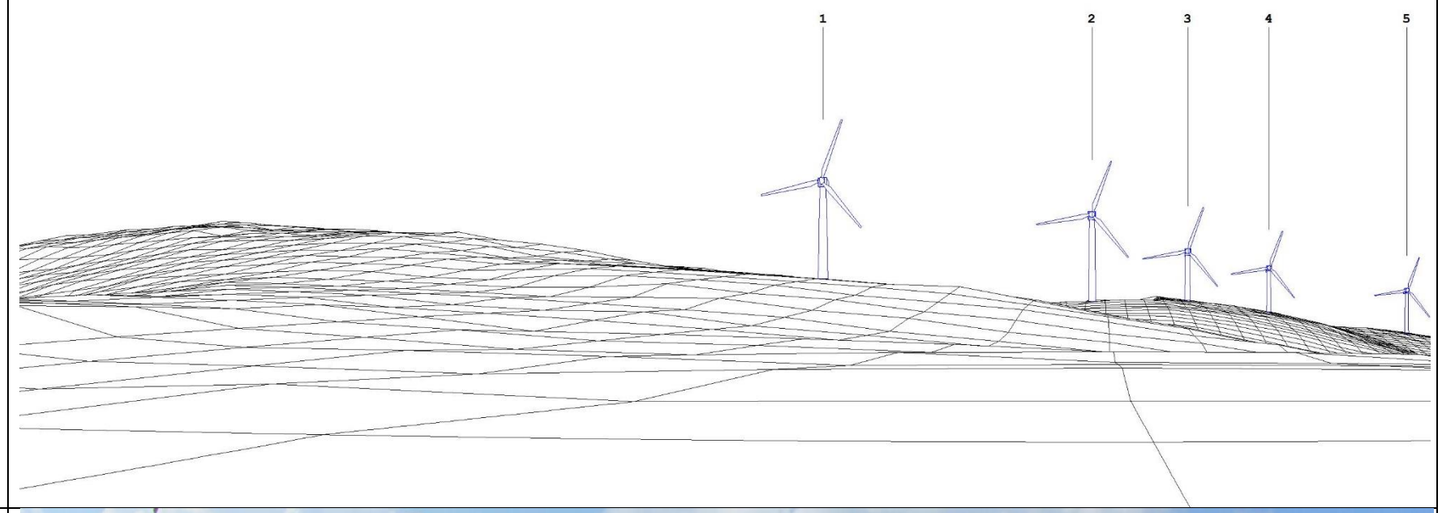


PUNTO SU ORTOFOTO 2D

STATO DI FATTO



GRIGLIA 3D

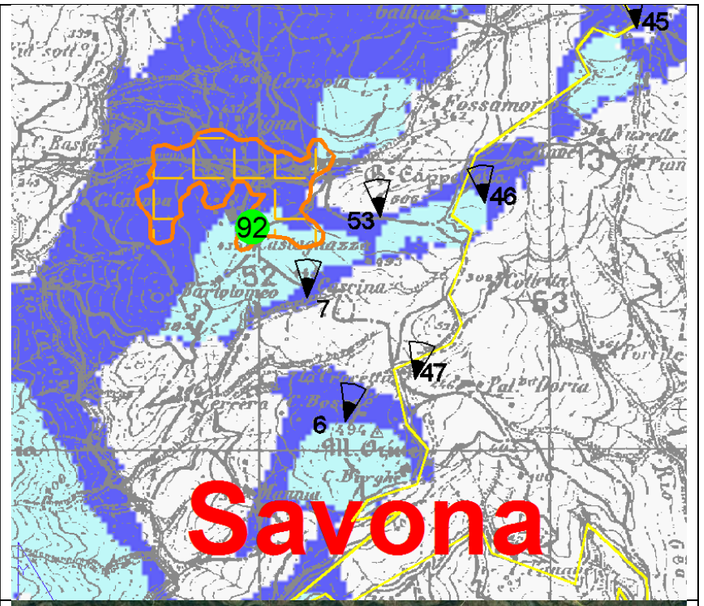


STATO DI PROGETTO

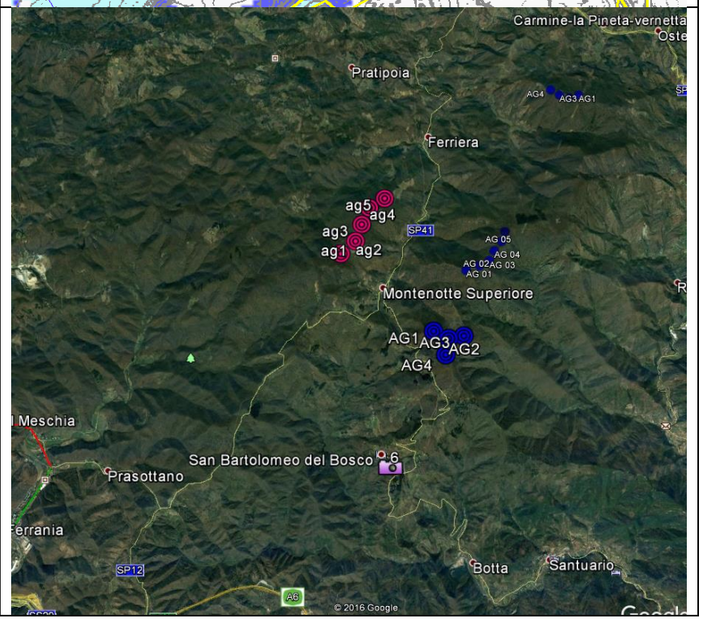


Punto 6: Da San Bartolomeo del Bosco, 3,5 km dal parco eolico

PUNTO SU ZVI



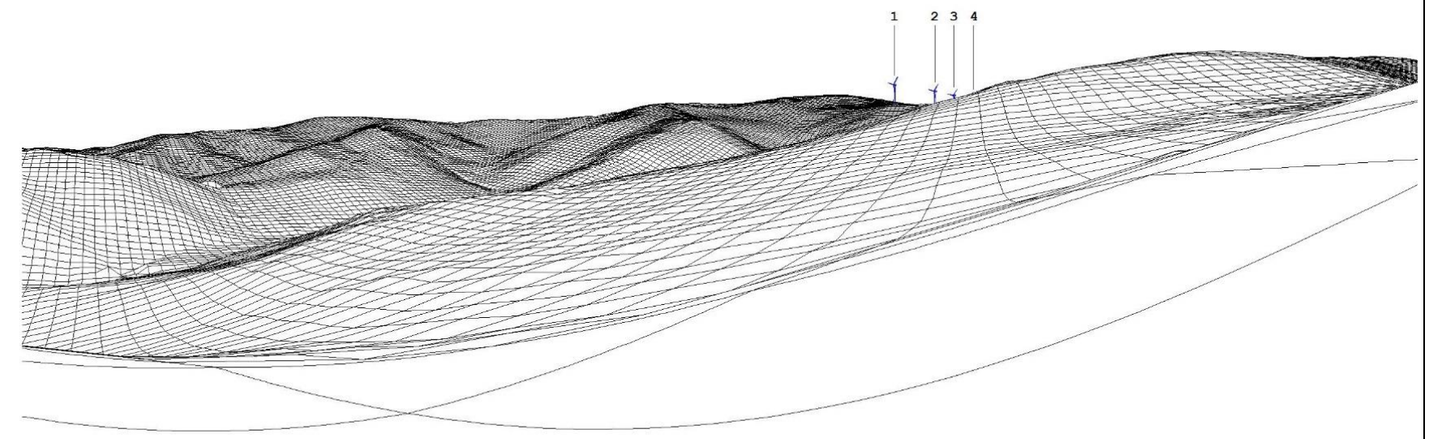
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

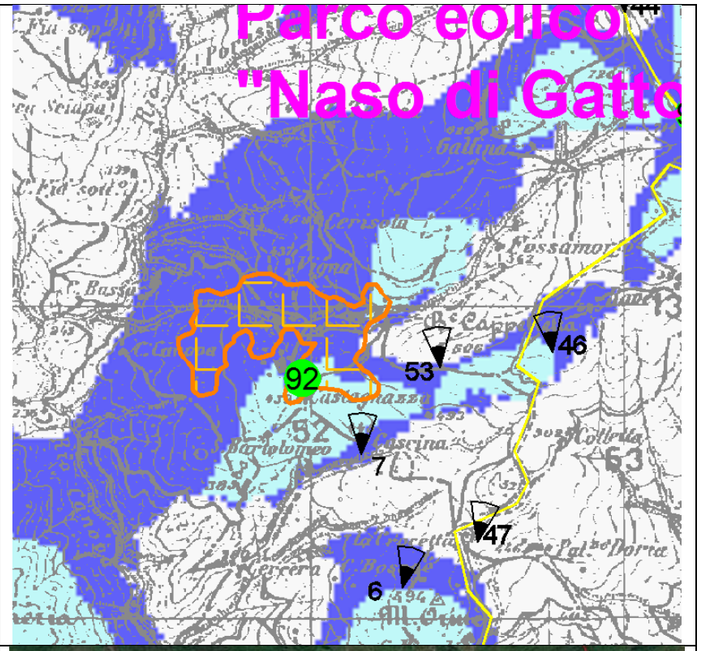


STATO DI PROGETTO

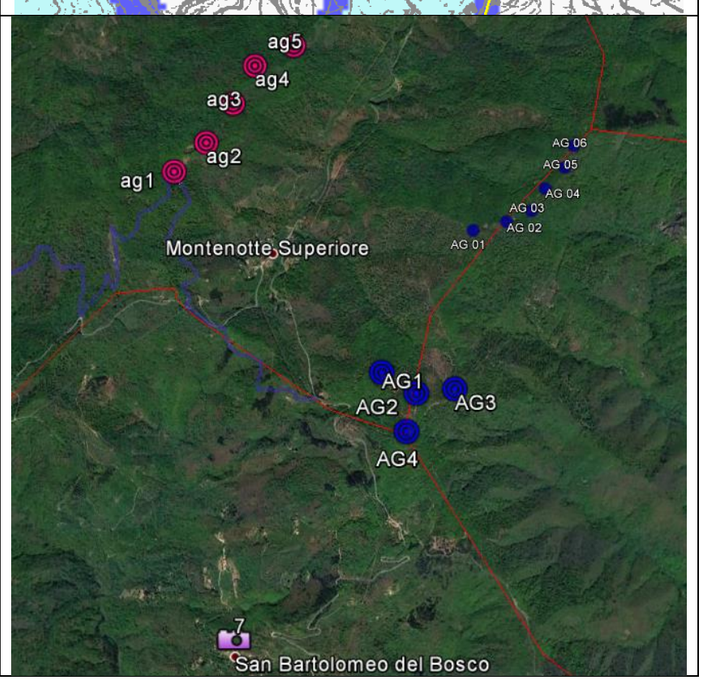


Punto 7: Da San Bartolomeo del Bosco (3,5 km dal parco eolico)

PUNTO SU ZVI



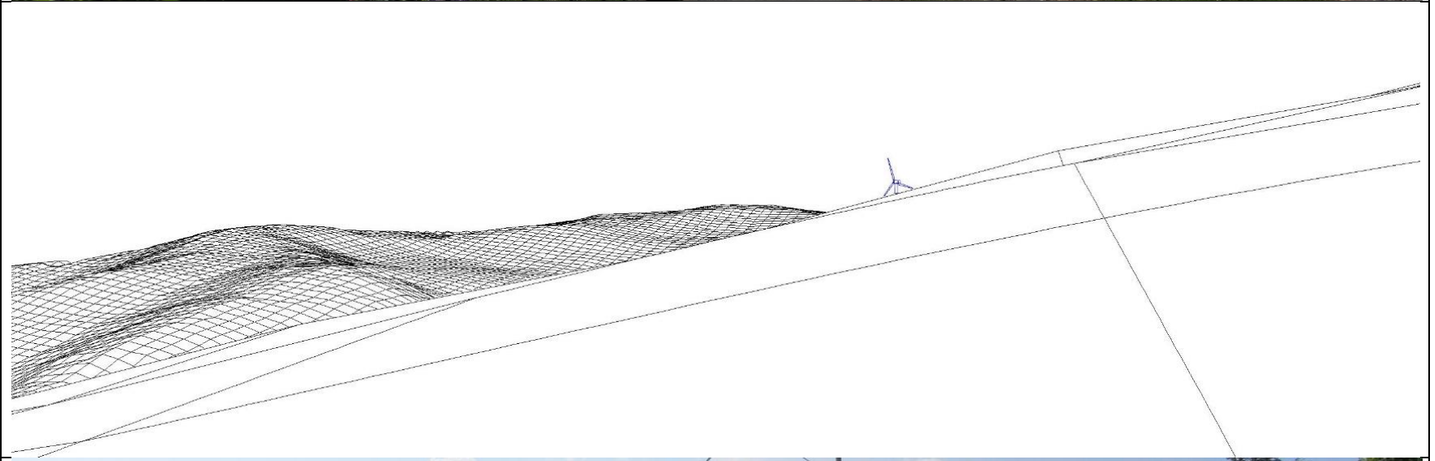
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STATO DI FATTO



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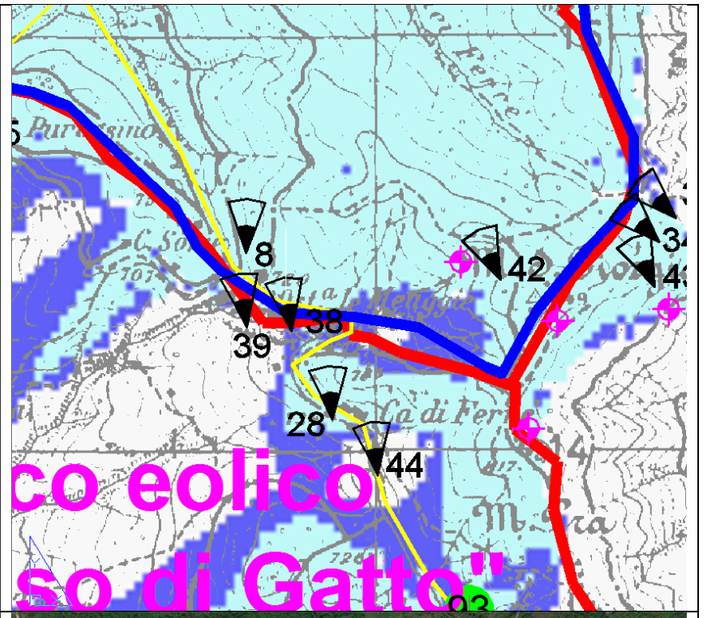


STATO DI PROGETTO

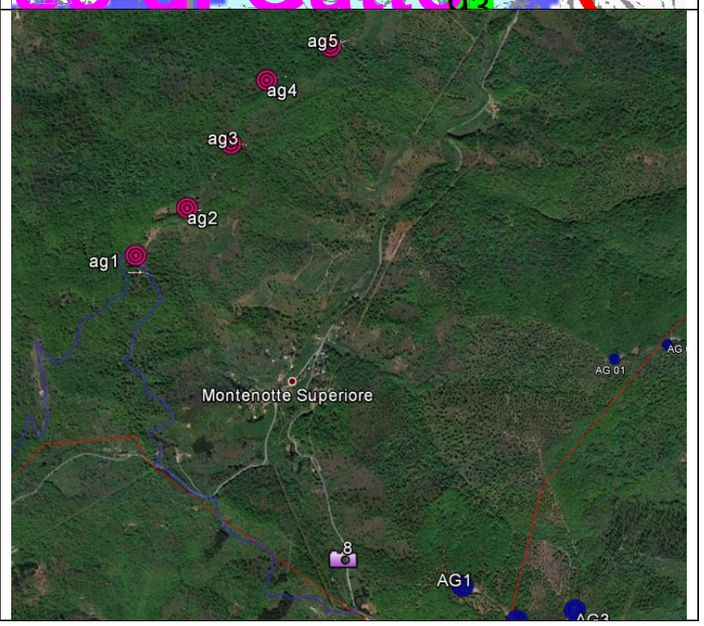


Punto 8: Da SP12 Savona-Cairo Montenotte in direzione nord (1,5 km dal parco eolico)

PUNTO SU ZVI



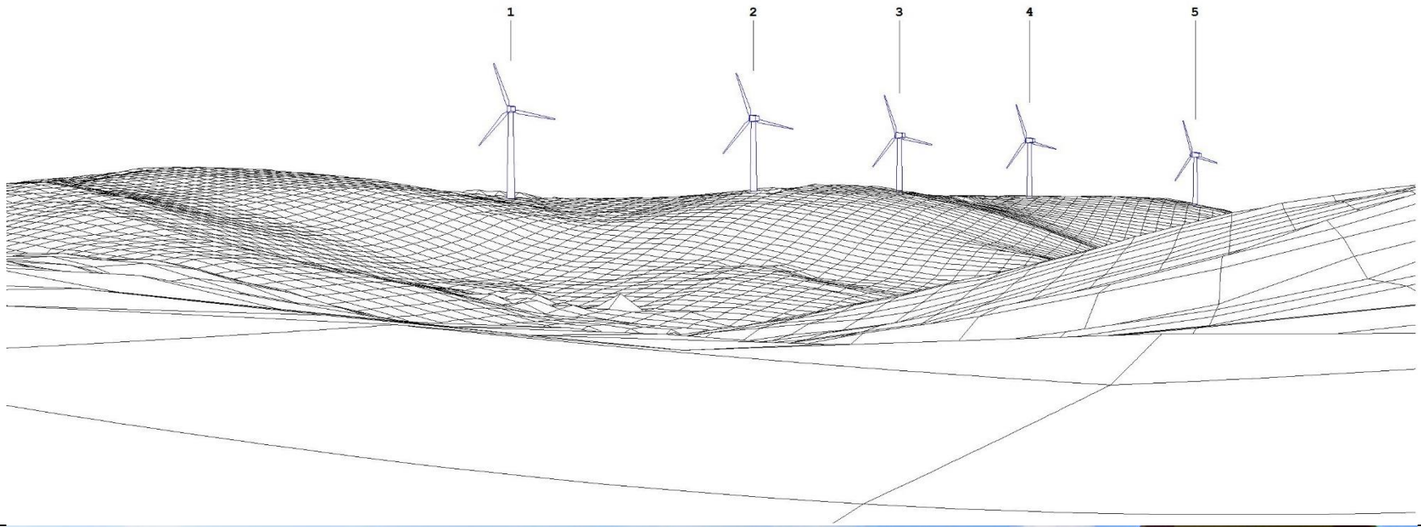
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STATO DI FATTO



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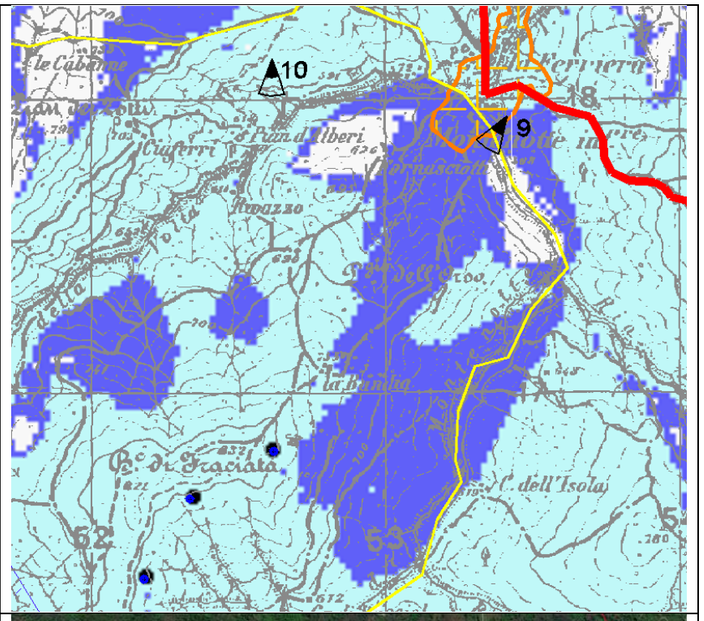


STATO DI PROGETTO

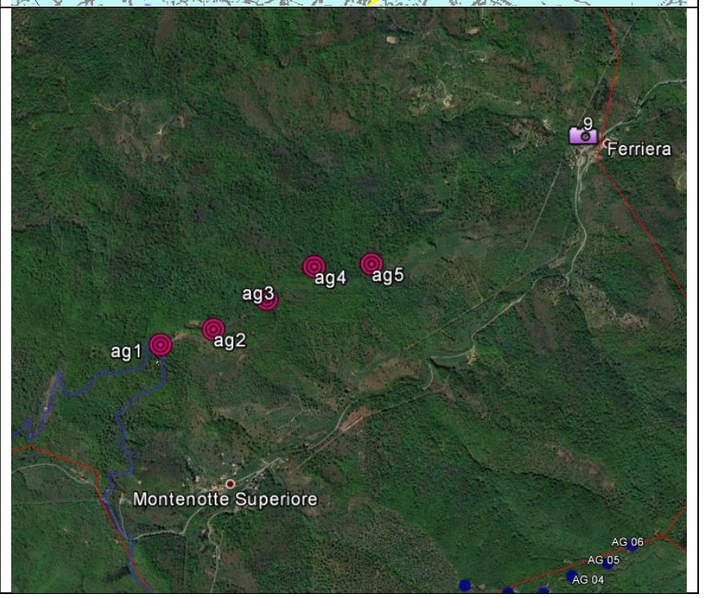


Punto 9: Da Ferriera (1,3 km dal parco eolico)

PUNTO SU ZVI



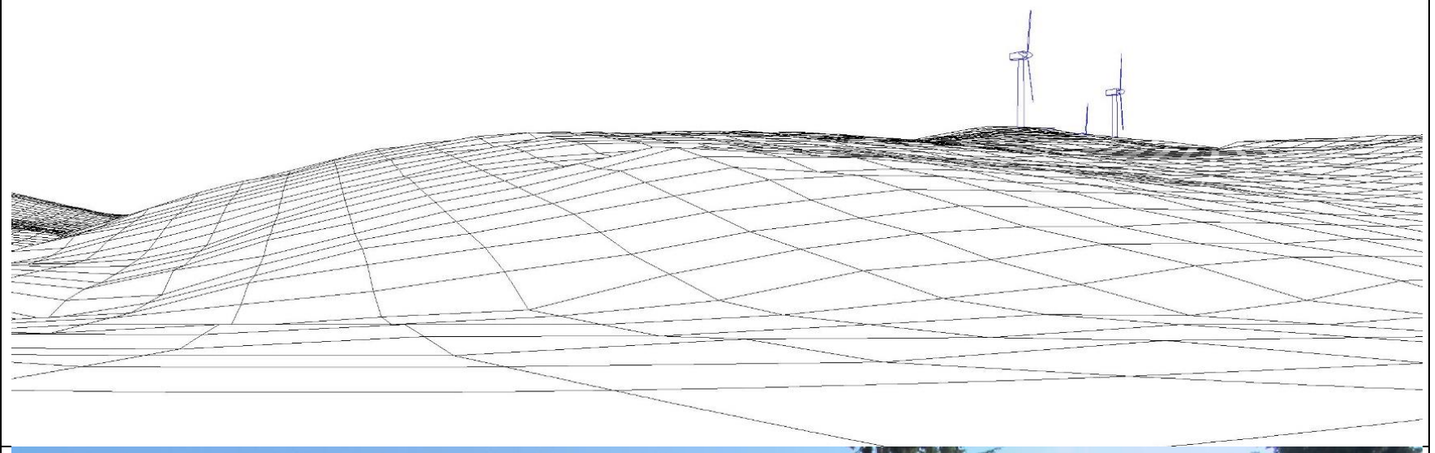
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STATO DI FATTO



GRIGLIA 3D

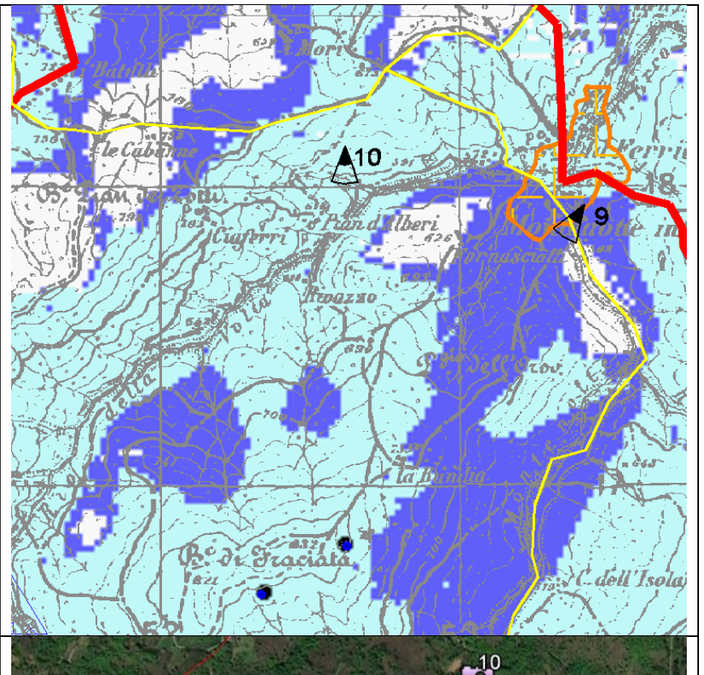


STATO DI PROGETTO



Punto 10: Da Ferriera (1,5 km dal parco eolico)

PUNTO SU ZVI



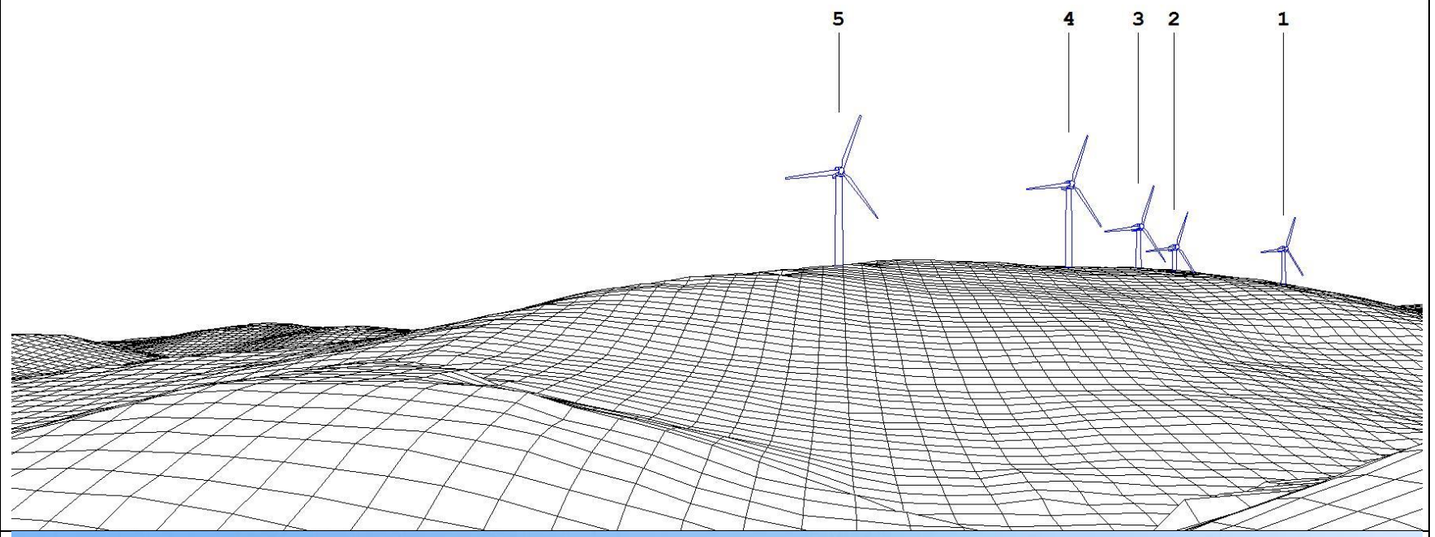
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STATO DI FATTO



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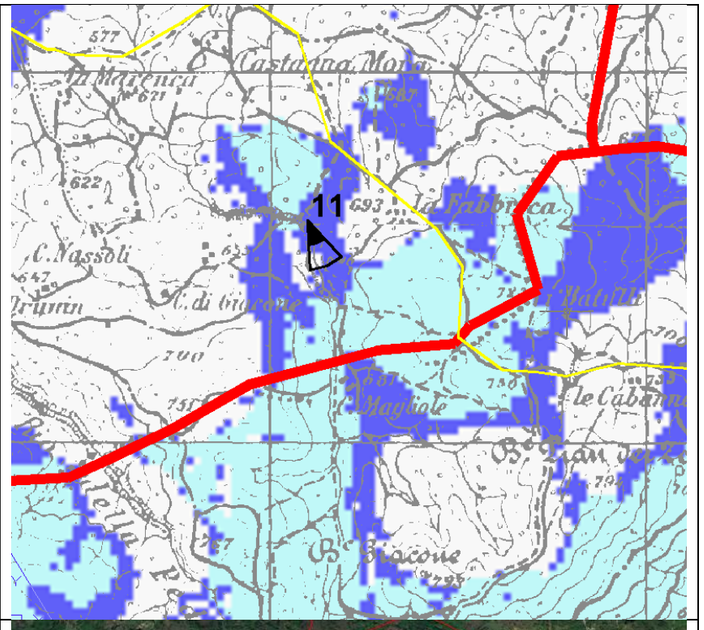


STATO DI PROGETTO

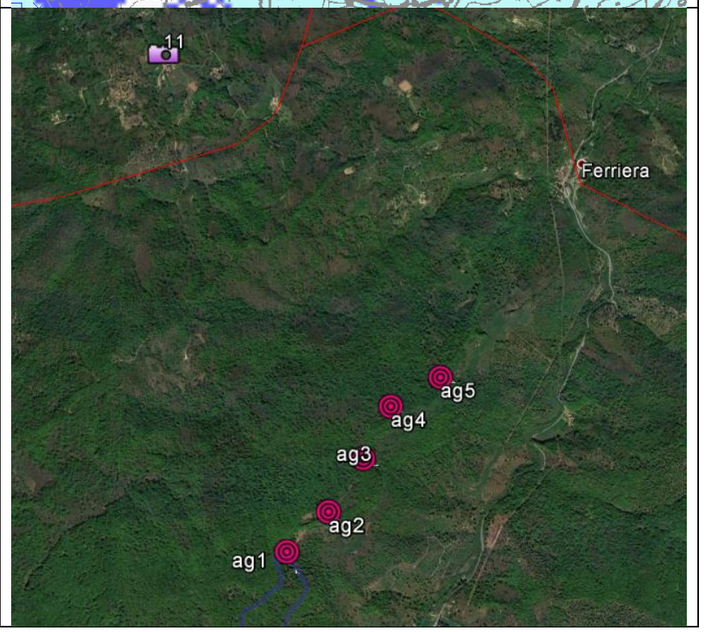


Punto 11: Da Nassoli, Dego (2,5 km dal parco eolico)

PUNTO SU ZVI



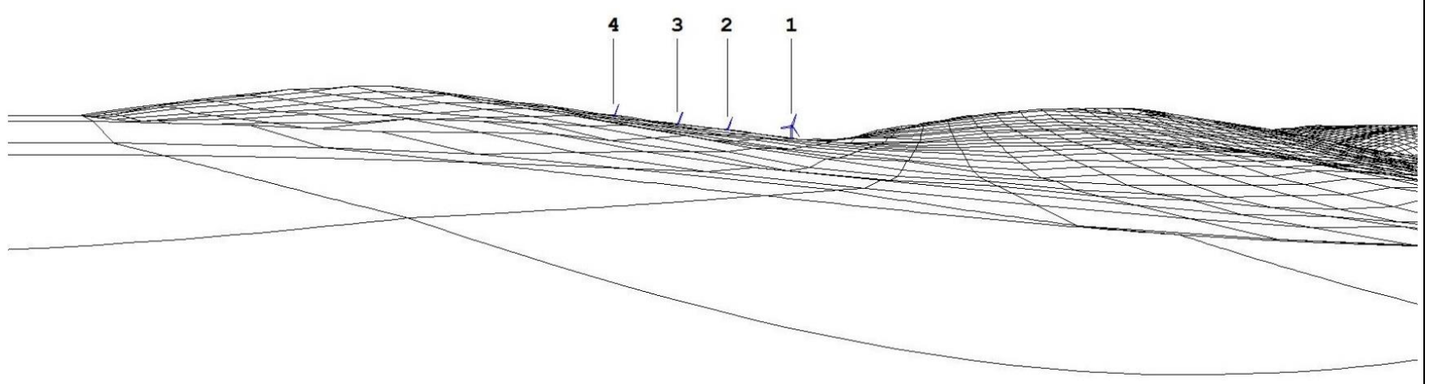
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

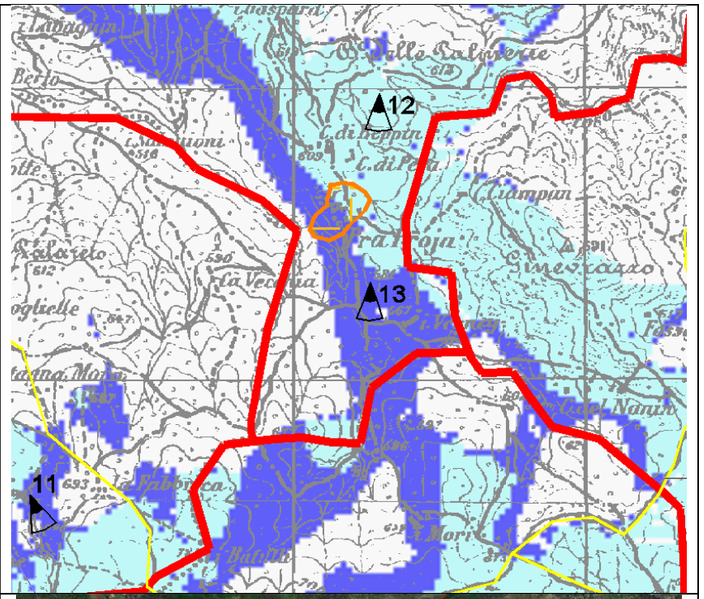


STATO DI PROGETTO

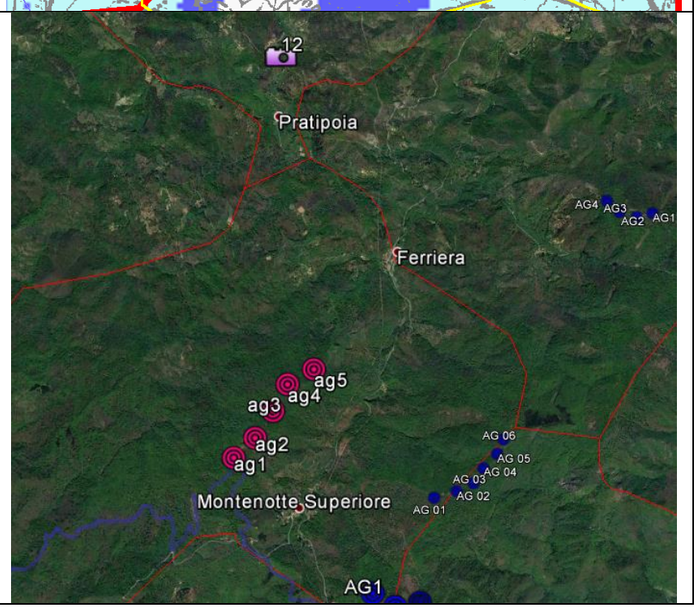


Punto 12: Da Pratiproia, Giusvalla (3,1 km dal parco eolico)

PUNTO SU ZVI



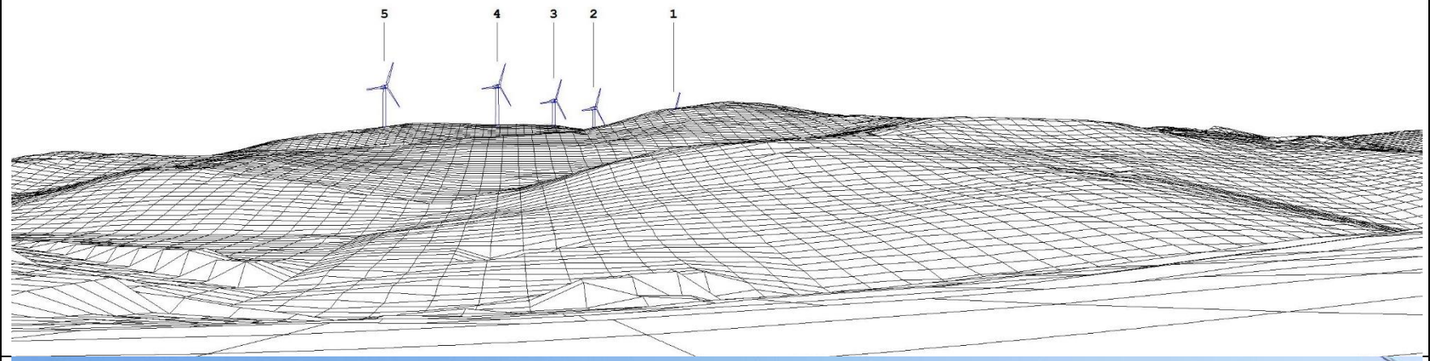
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STATO DI FATTO



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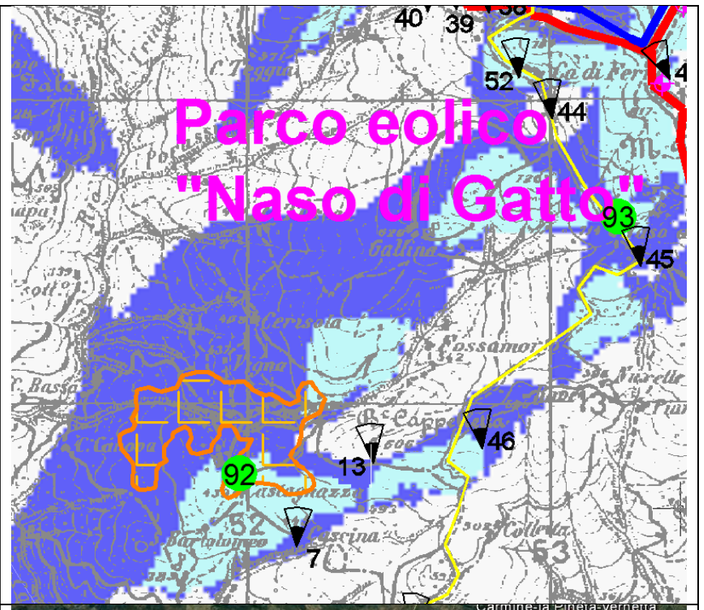


STATO DI PROGETTO

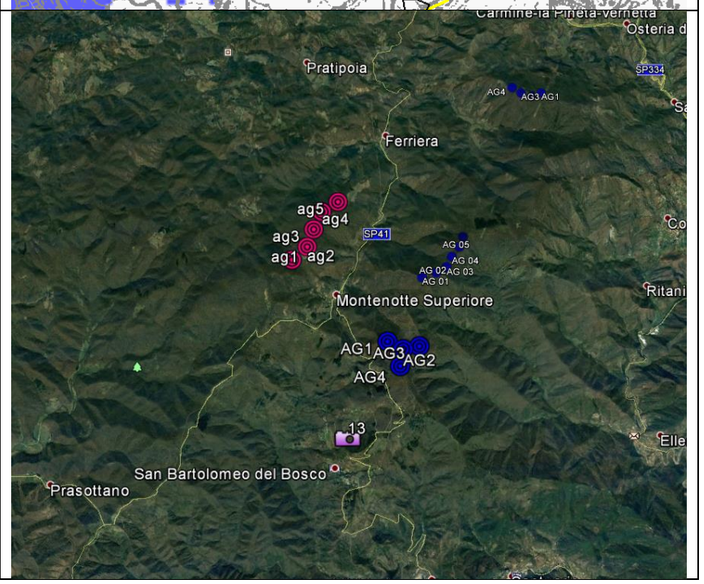


Punto 13: Da San Bartolomeo del Bosco, 3,5 km dal parco eolico

PUNTO SU ZVI



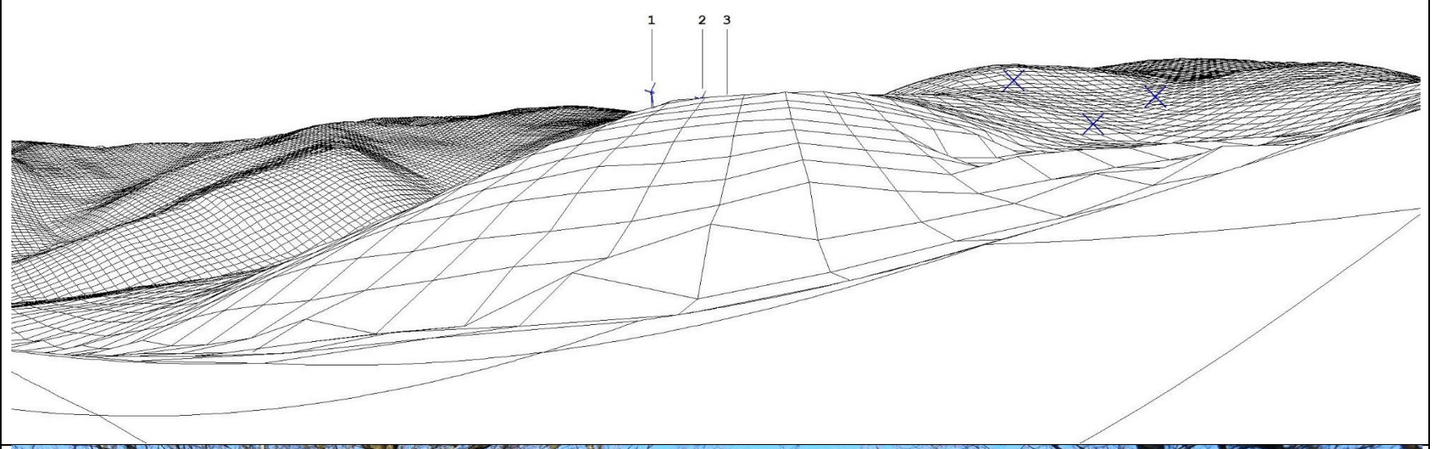
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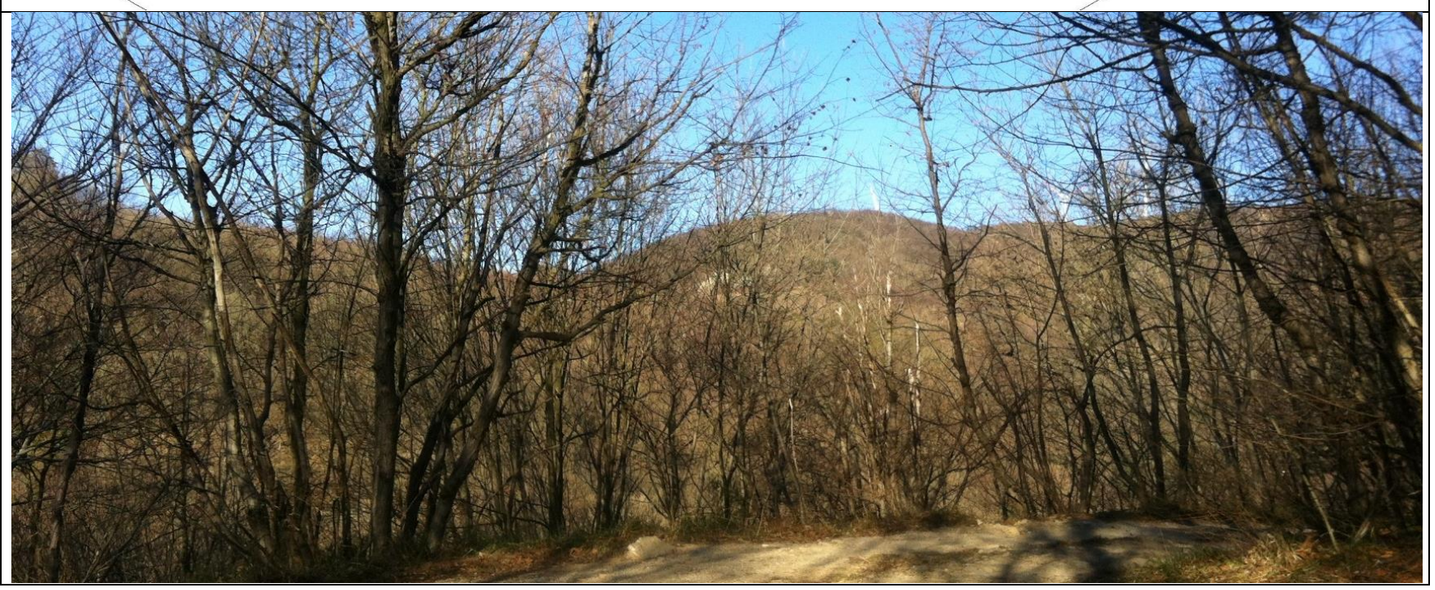
STATO DI FATTO



GRIGLIA 3D



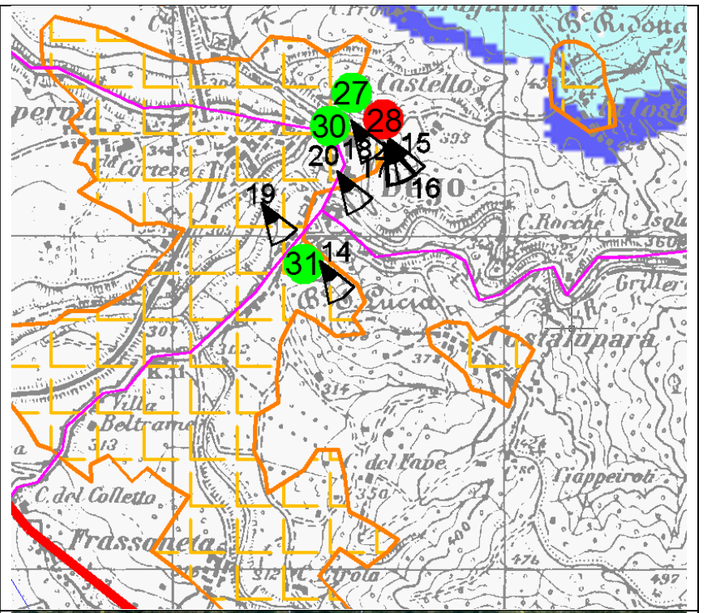
STATO DI PROGETTO



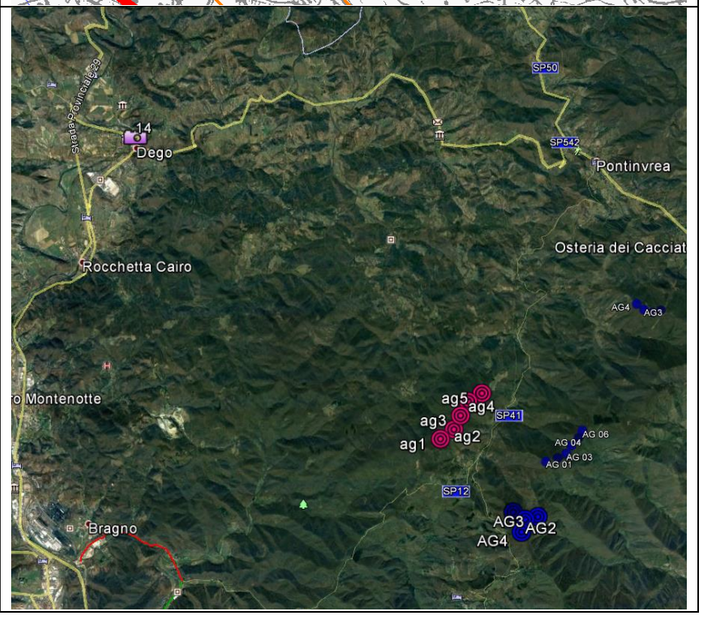
Punto 14: Da Dego (9 km dal parco eolico)

Bene 07/00111333 Chiesa Parrocchiale di Sant'Ambrogio

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

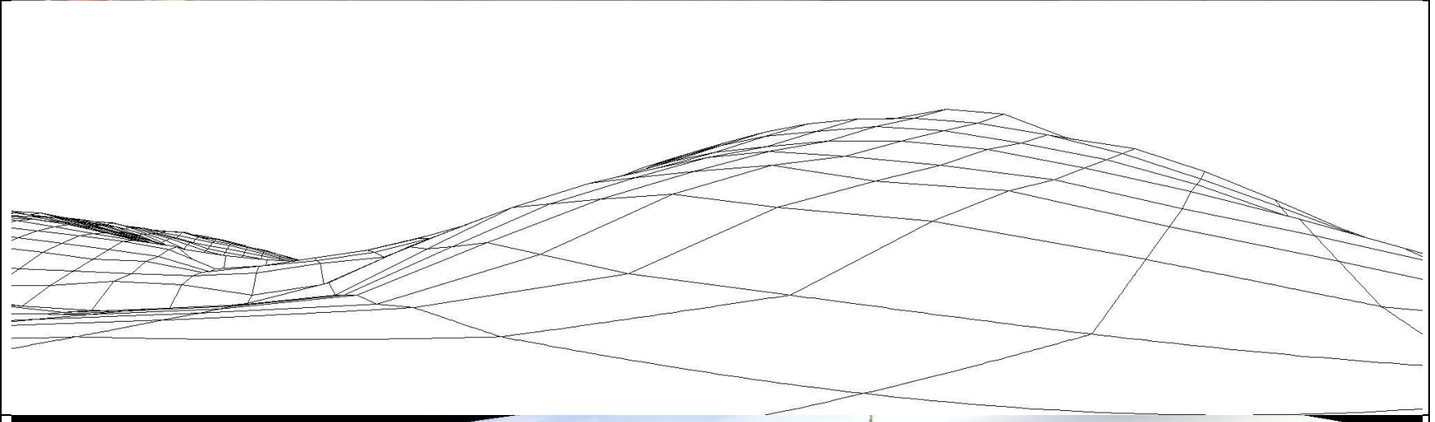


PANORAMICA

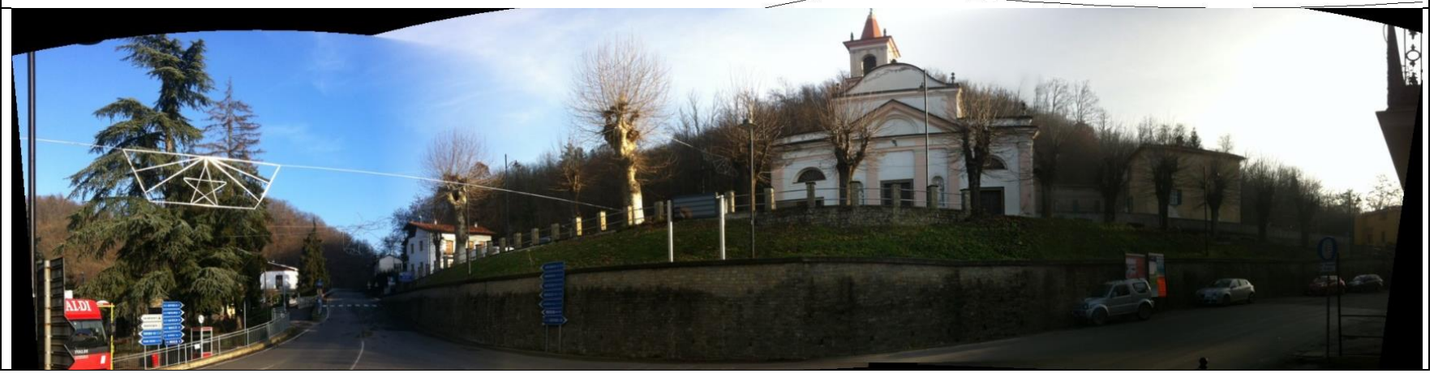
STATO DI FATTO



GRIGLIA 3D



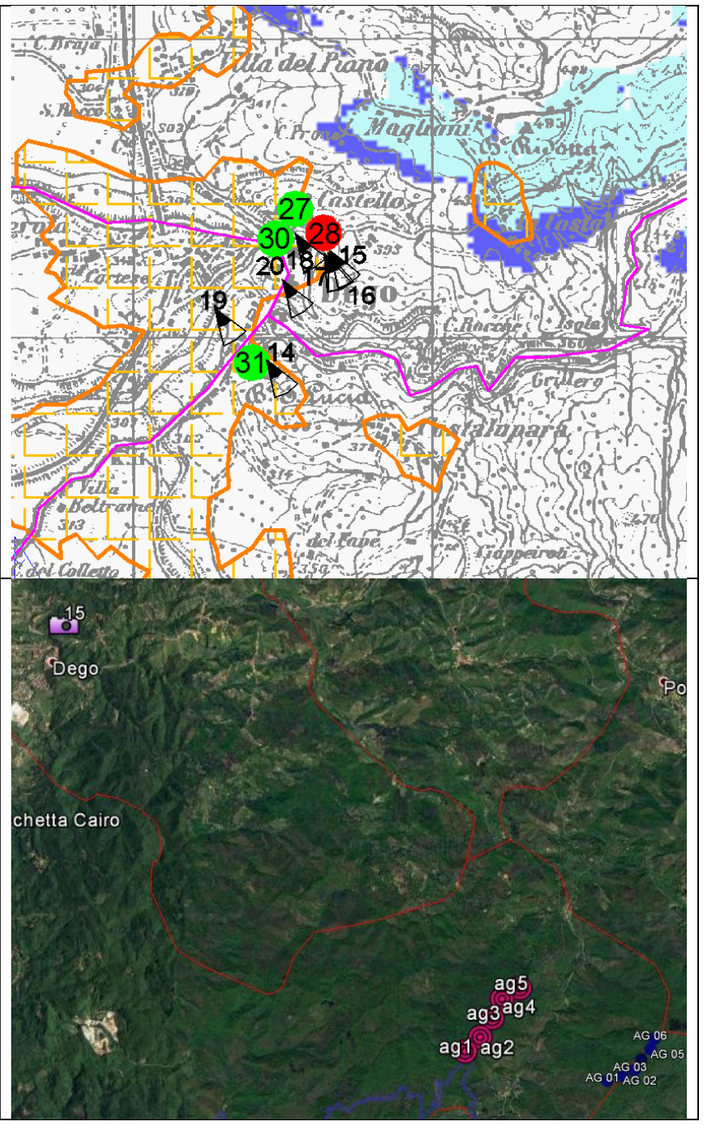
STATO DI PROGETTO



Punto 15: Da Dego (9 km dal parco eolico)

Bene 07/00111329 Resti di Castello

PUNTO SU ZVI



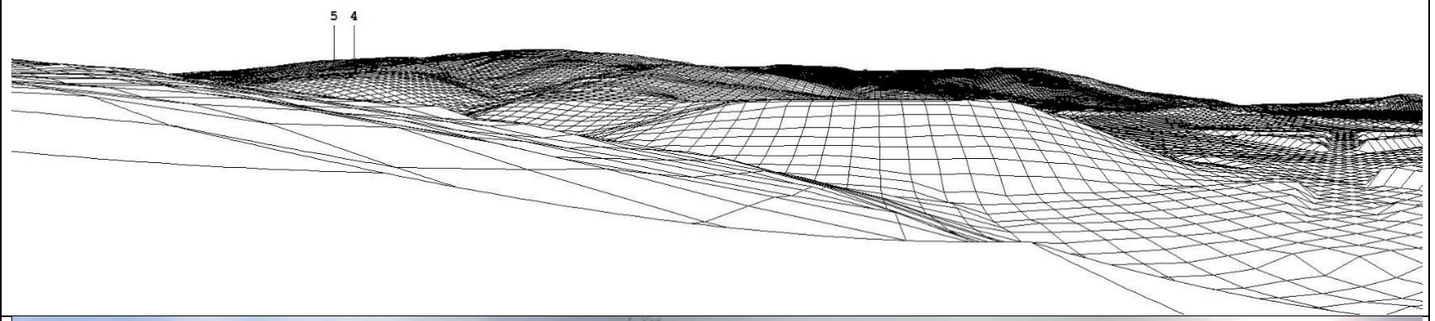
PUNTO SU ORTOFOTO 2D

PANORAMICA

STATO DI FATTO



GRIGLIA 3D



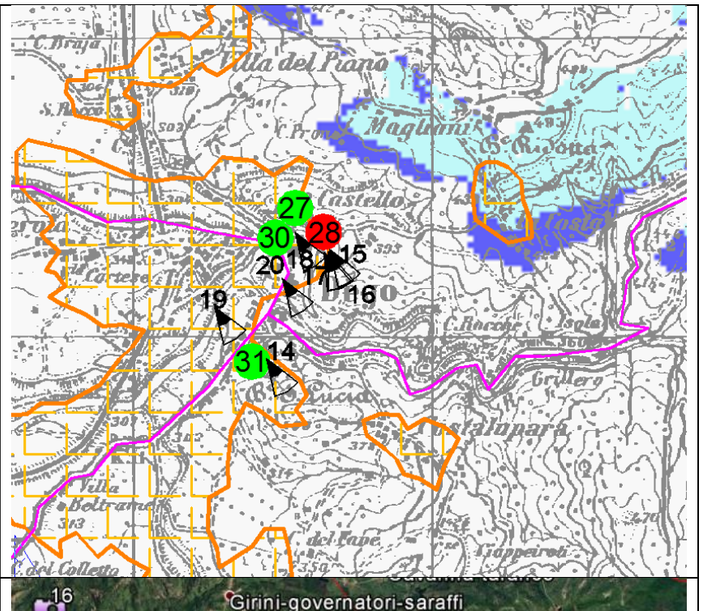
STATO DI PROGETTO



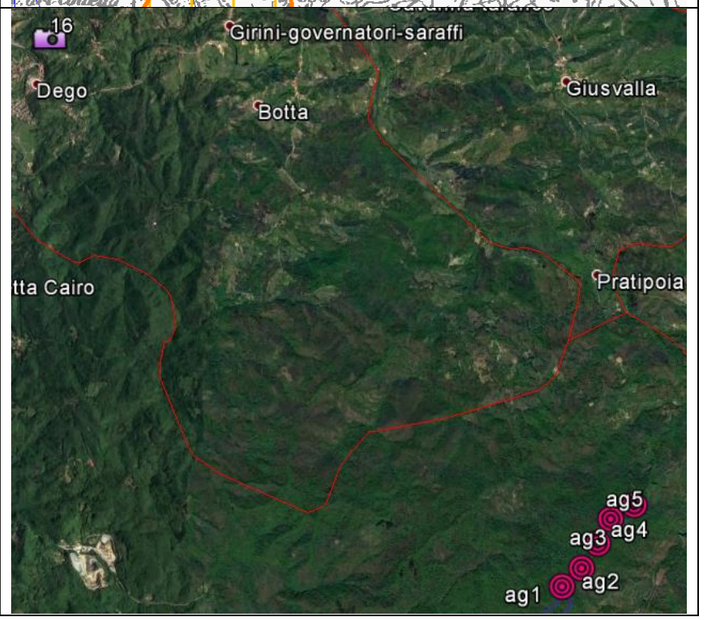
Punto 16: Da Dego (9 km dal parco eolico)

Bene 07/00111329 Resti di Castello

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

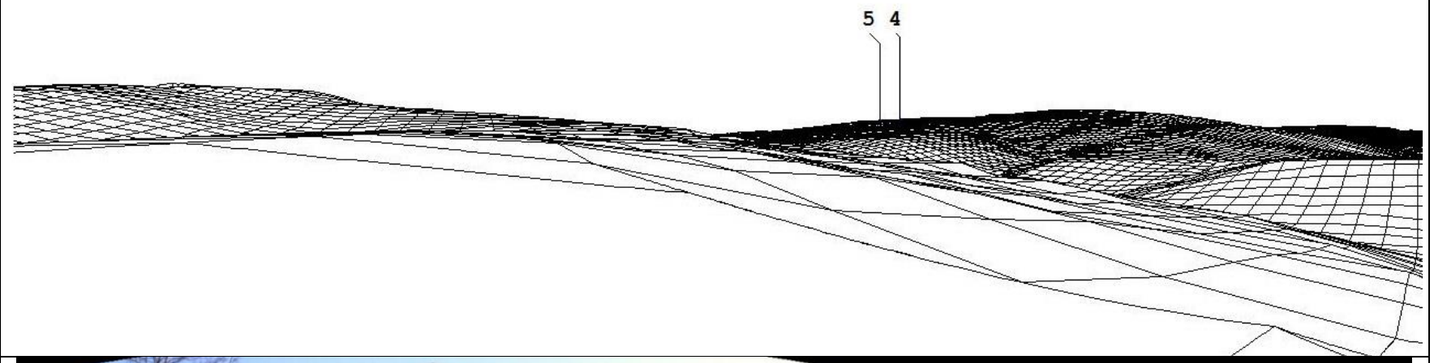


PANORAMICA

STATO DI FATTO



GRIGLIA 3D



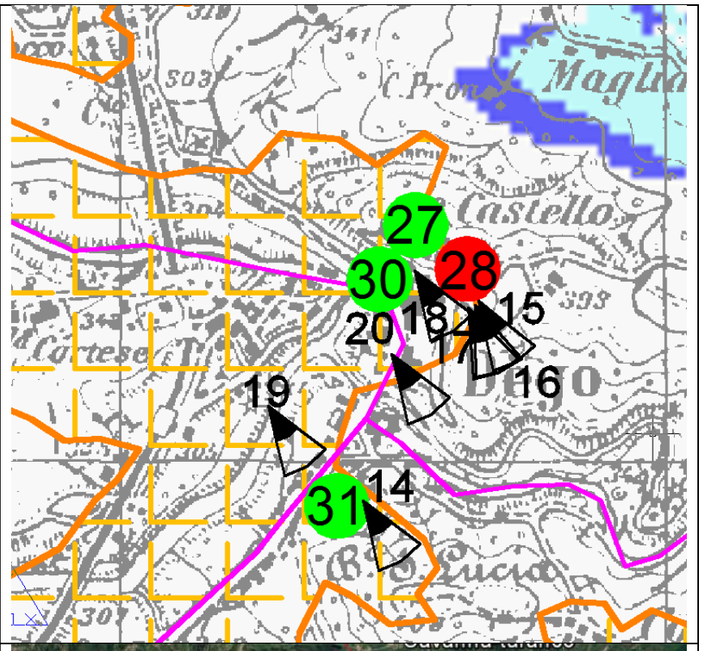
STATO DI PROGETTO



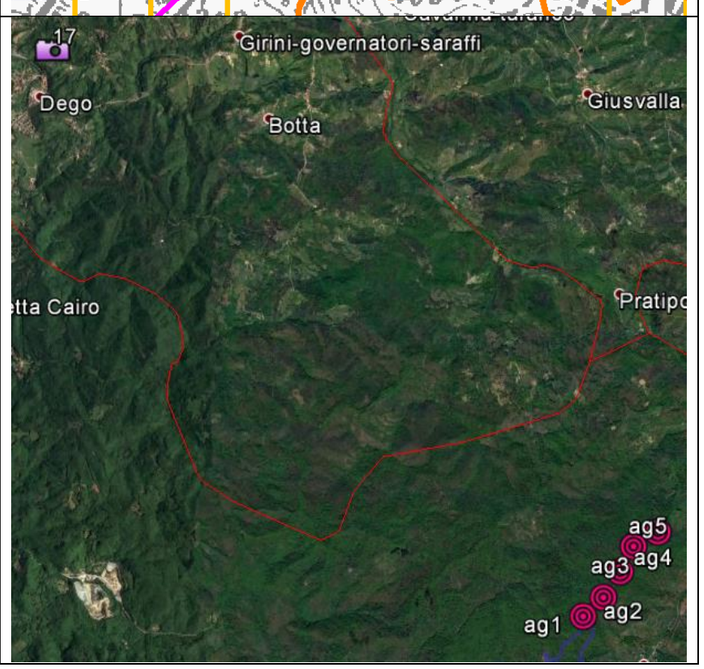
Punto 17: Da Dego (9 km dal parco eolico)

Bene 07/00111329 Resti di Castello

PUNTO SU ZVI

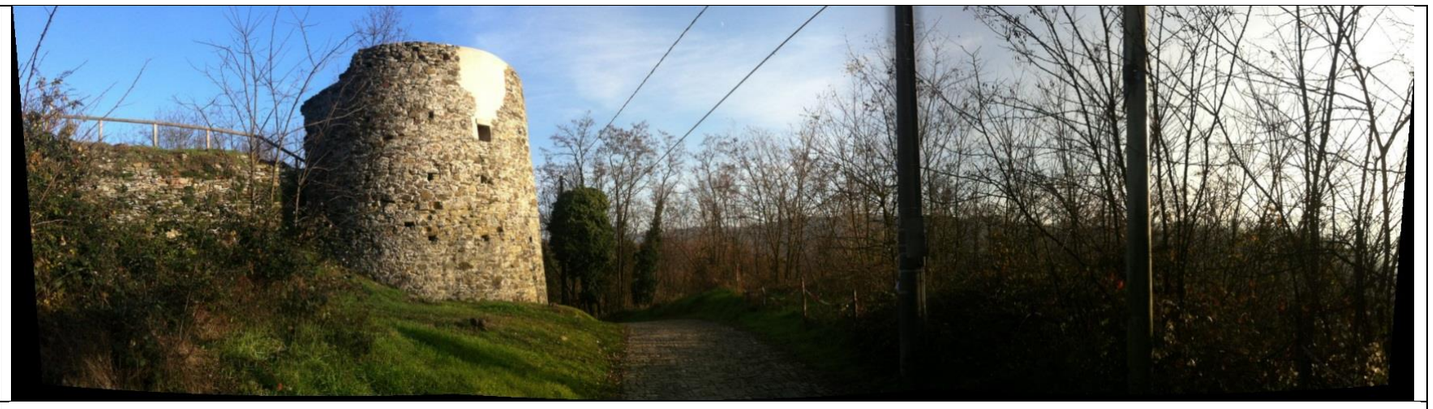


PUNTO SU ORTOFOTO 2D

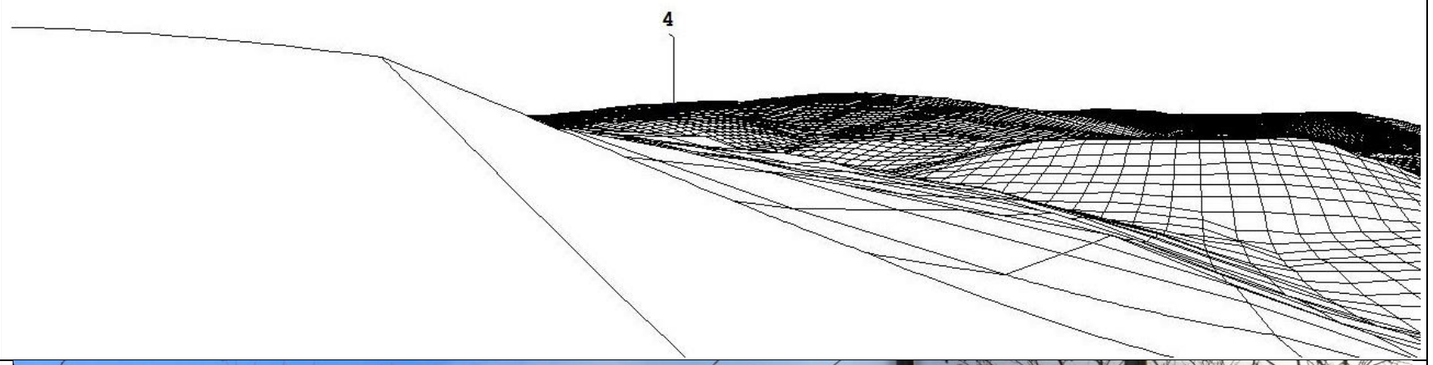


PANORAMICA

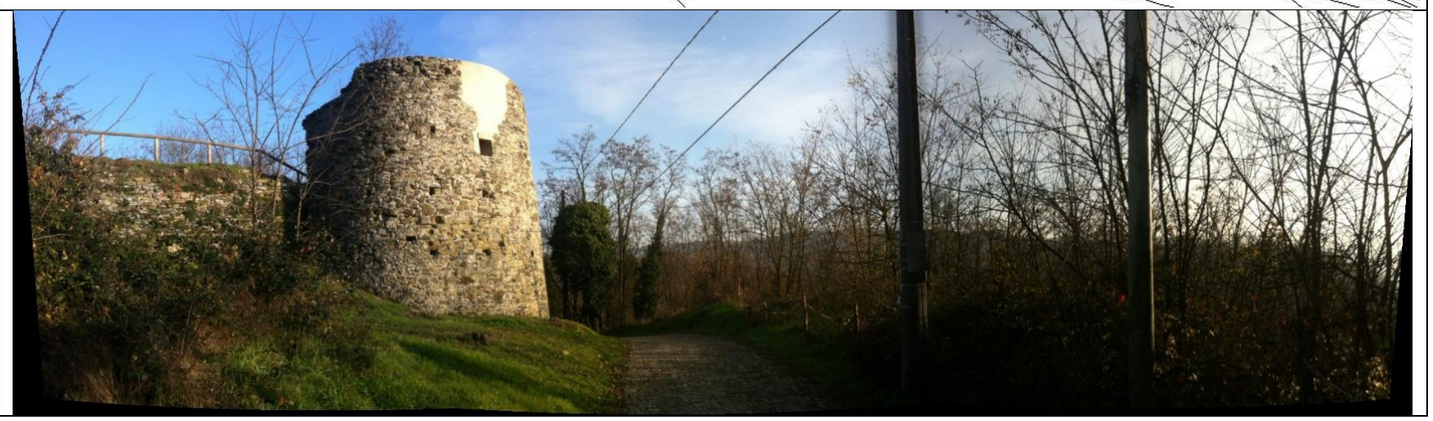
STATO DI FATTO



GRIGLIA 3D



STATO DI PROGETTO

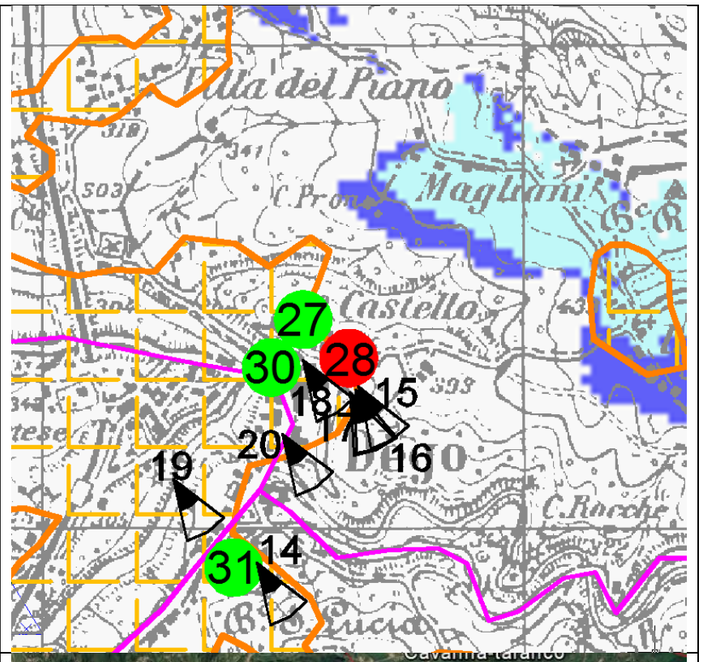


Punto 18: Da Dego (9 km dal parco eolico)

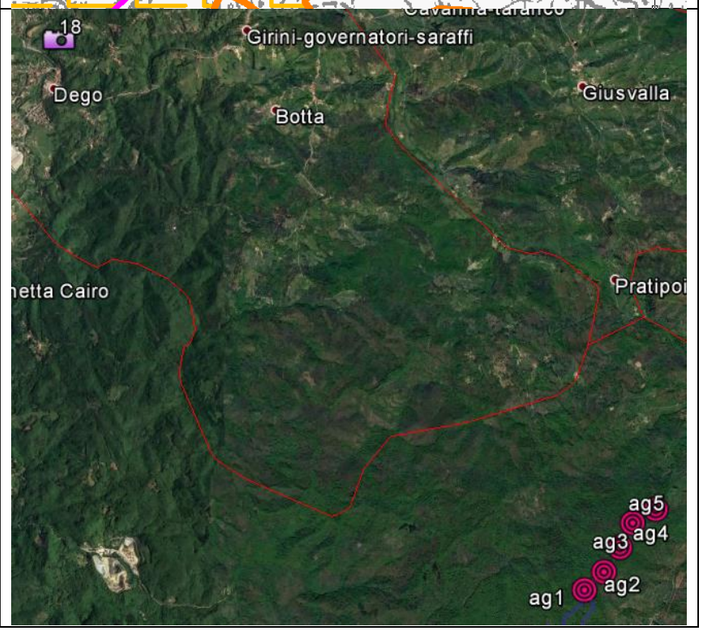
Bene 07/00210511: Ex Casa Canonica della Chiesa della SS. Annunziata

Bene07/00112762: Chiesa della SS. Annunziata

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

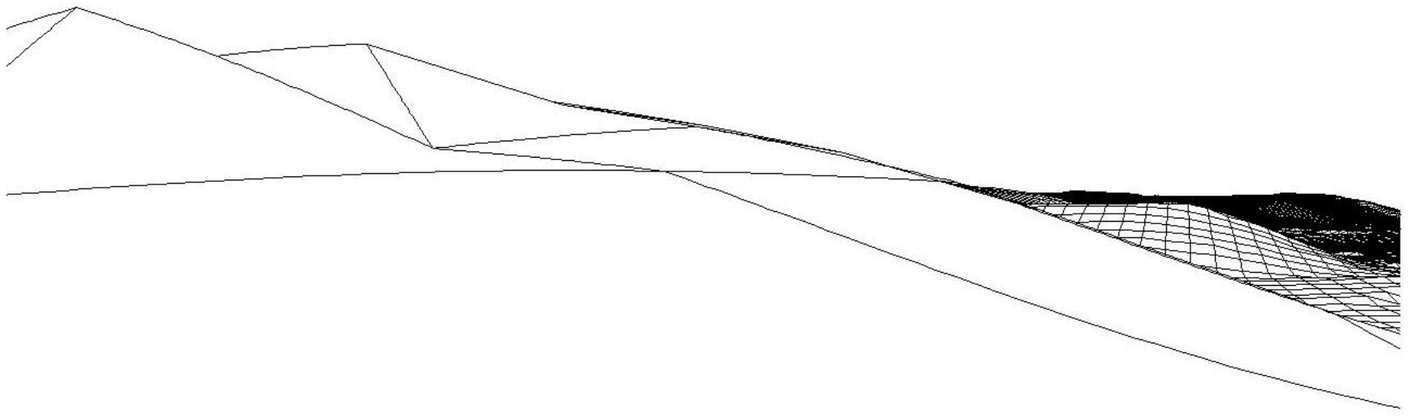


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

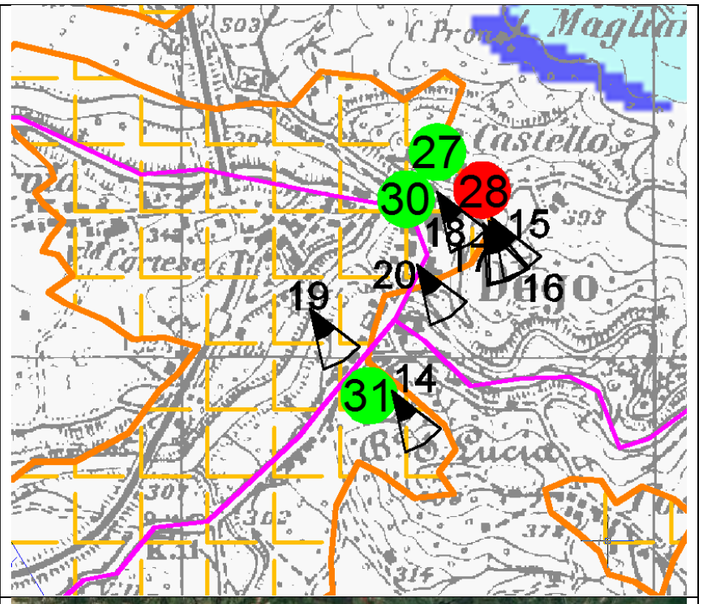


STATO DI PROGETTO

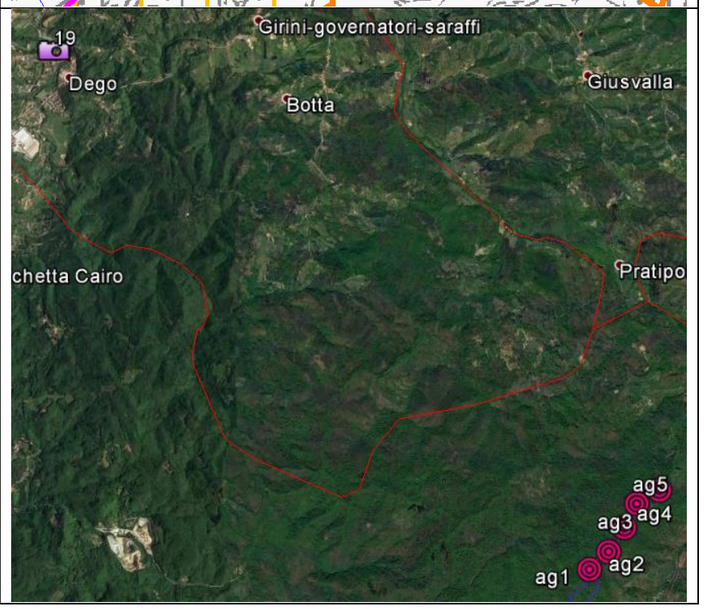


Punto 19: Da Dego (9 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

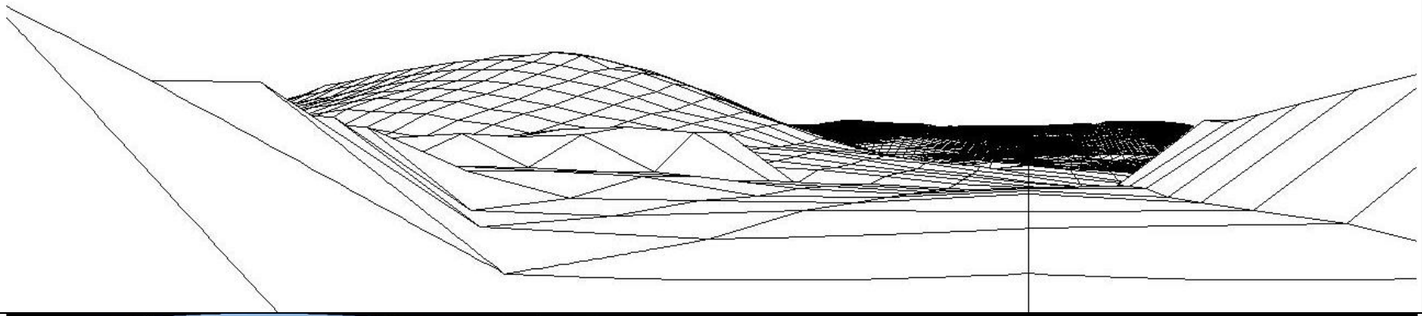


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

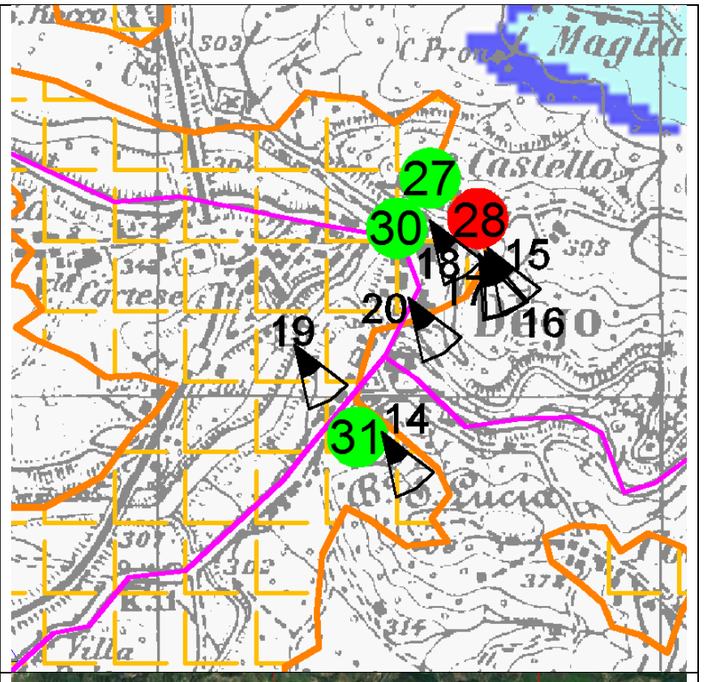


STATO DI PROGETTO

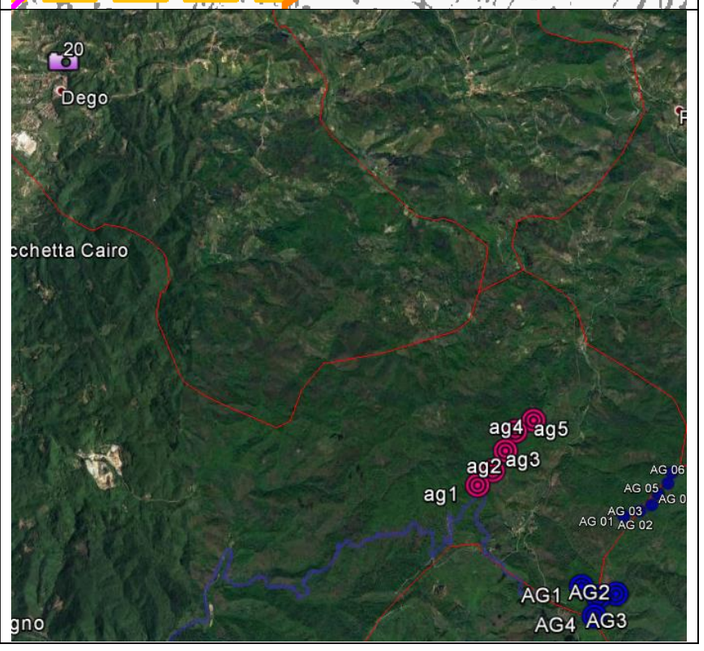


Punto 20: Da Dego (9 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

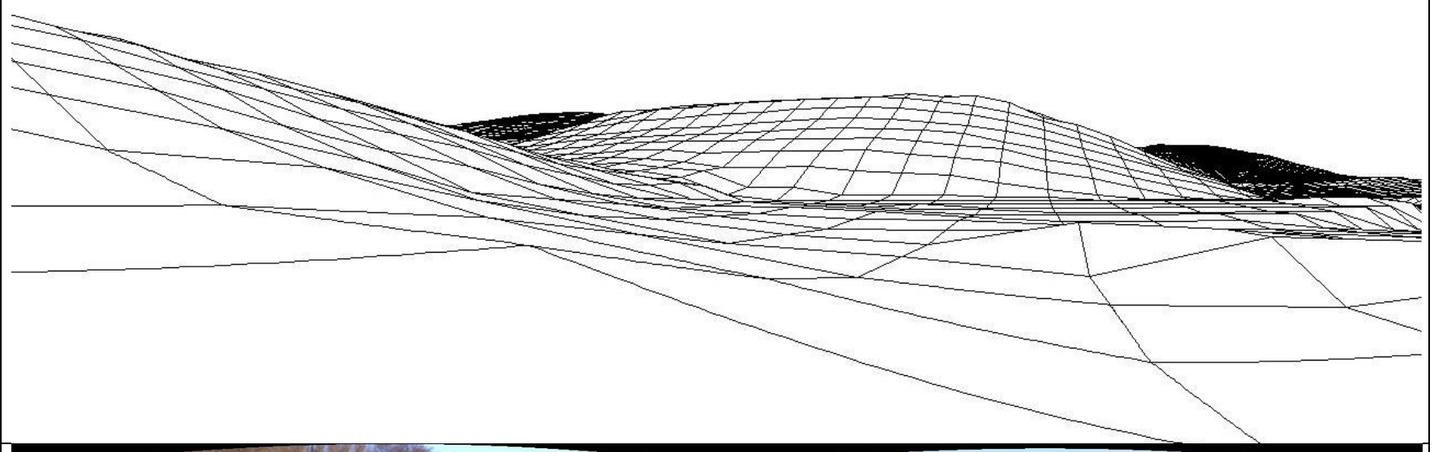


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

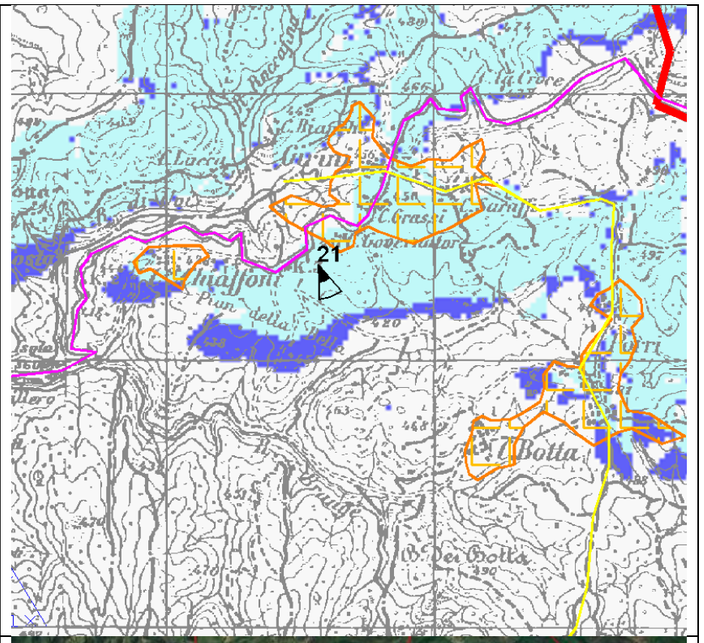


STATO DI PROGETTO

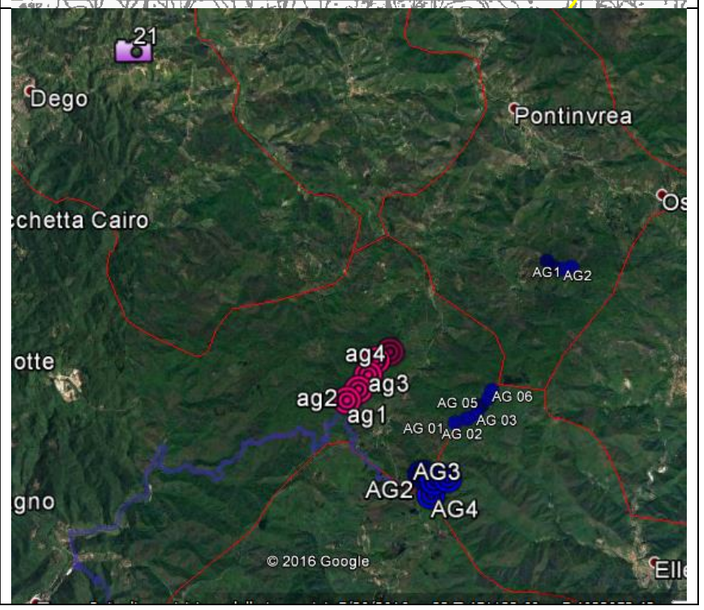


Punto 21: Da SP 542 (7 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

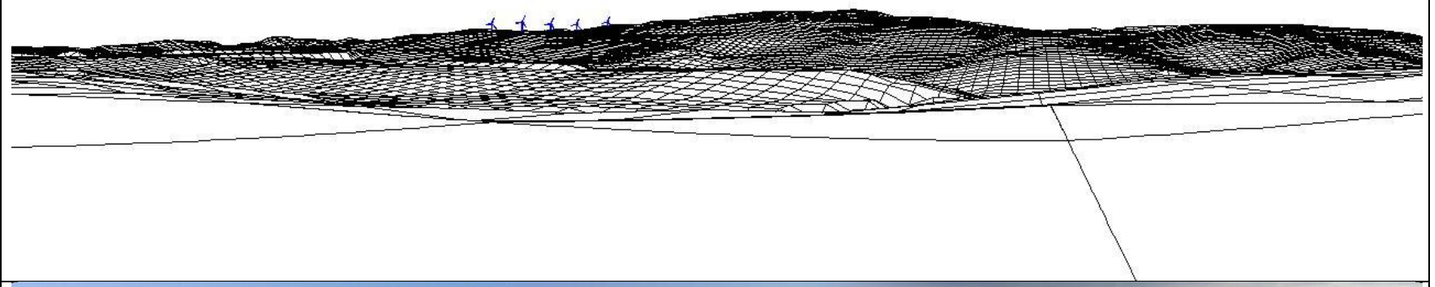


PANORAMICA

STATO DI FATTO



GRIGLIA 3D



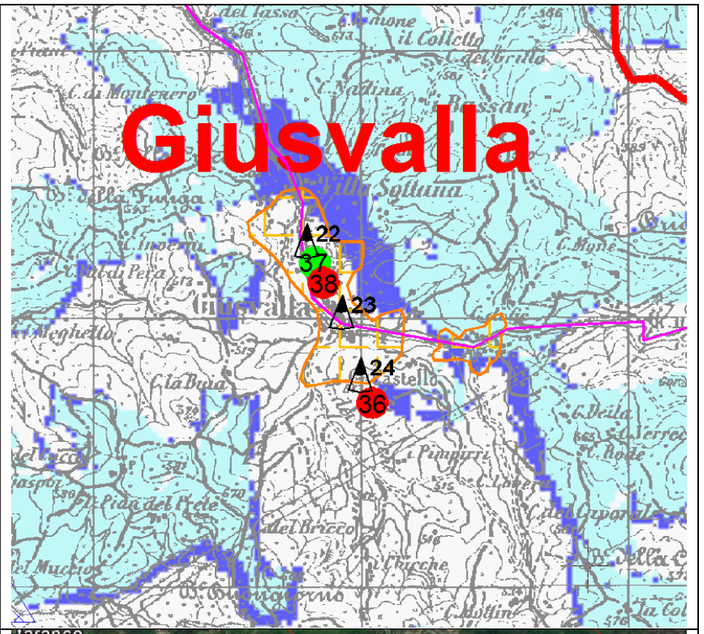
STATO DI PROGETTO



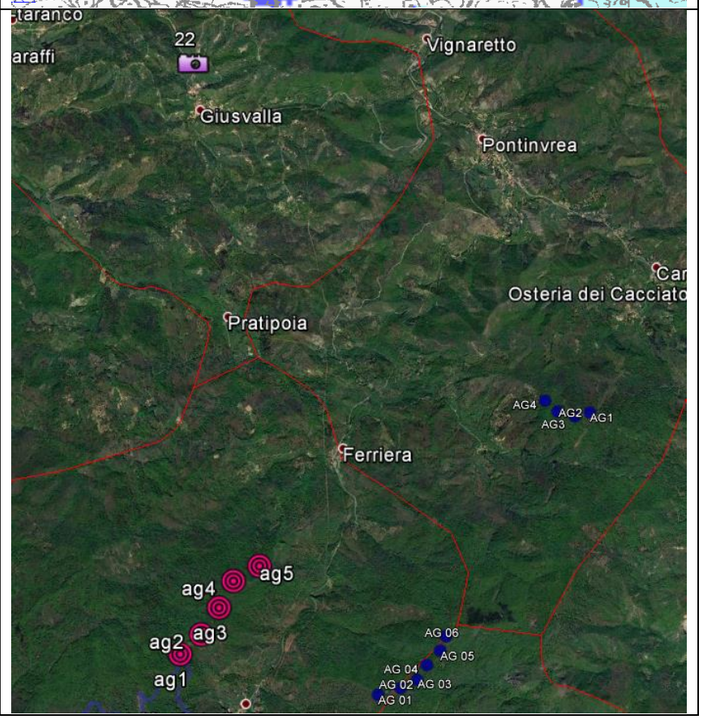
Punto 22: Da Giusvalla (6 km dal parco eolico)

Bene 07/00209184: Ex Oratorio di San Rocco

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

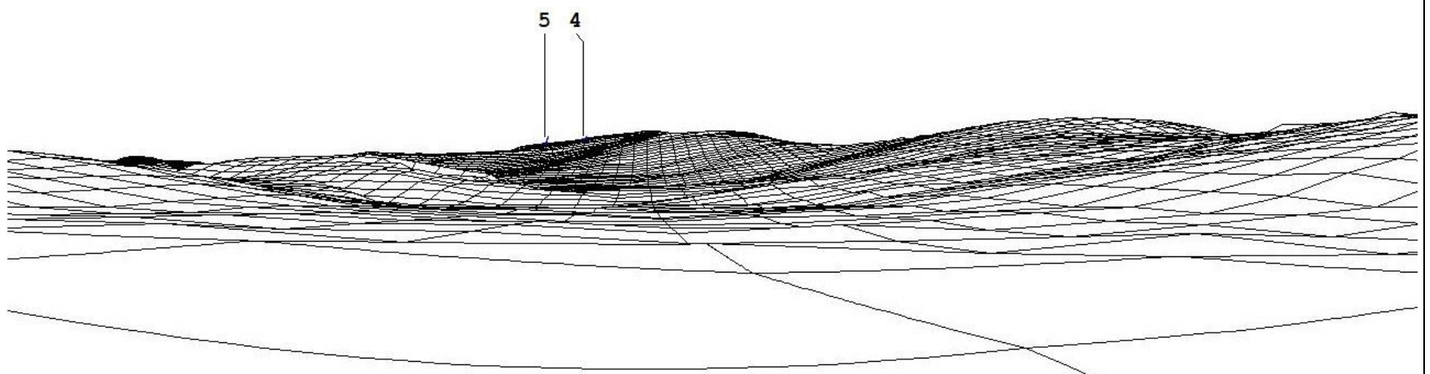


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

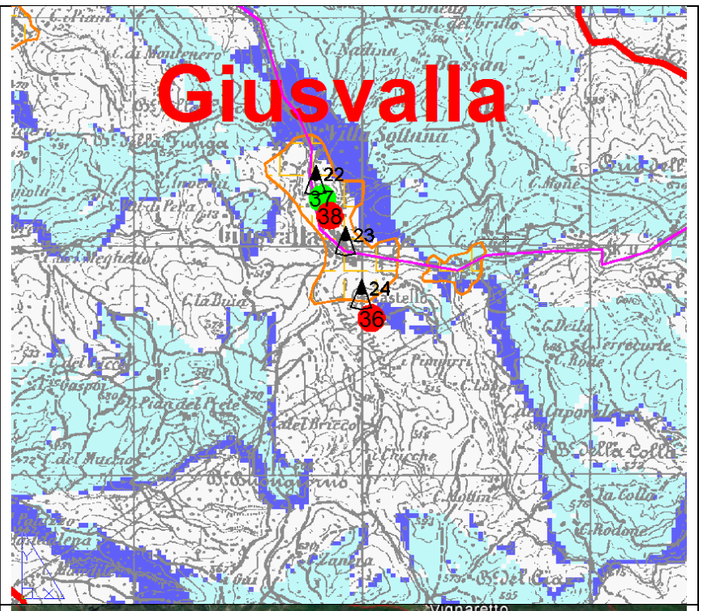


STATO DI PROGETTO

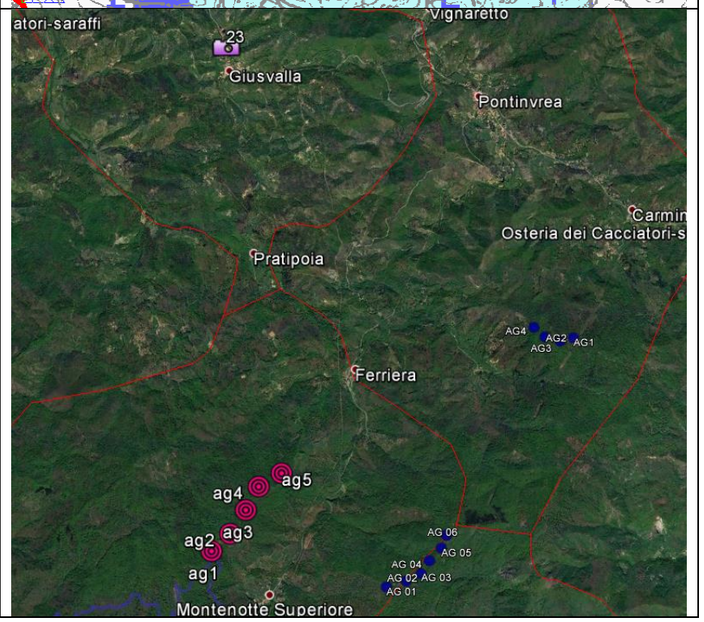


Punto 23: Da Giusvalla (5,5 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

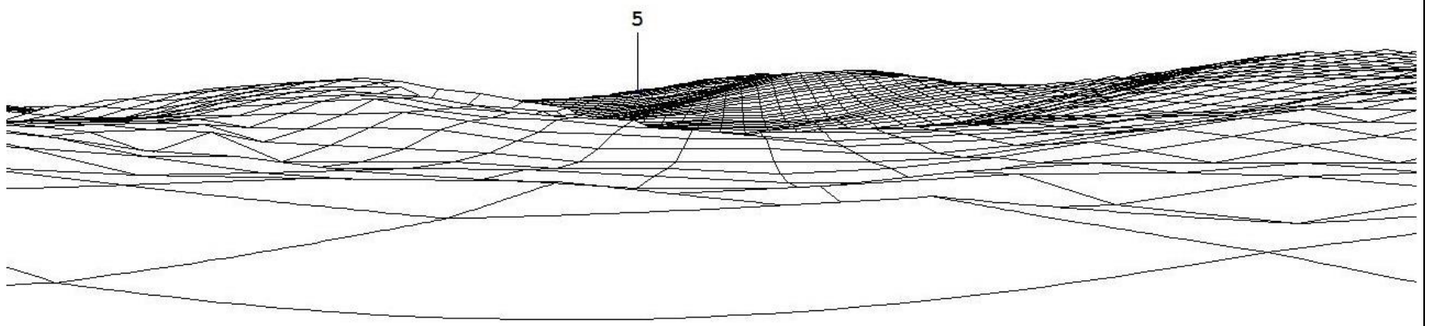


PANORAMICA

STATO DI FATTO



GRIGLIA 3D



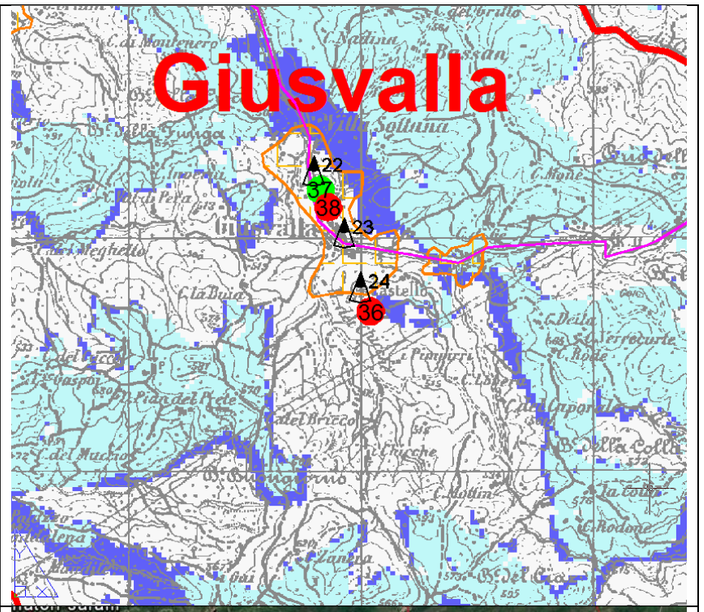
STATO DI PROGETTO



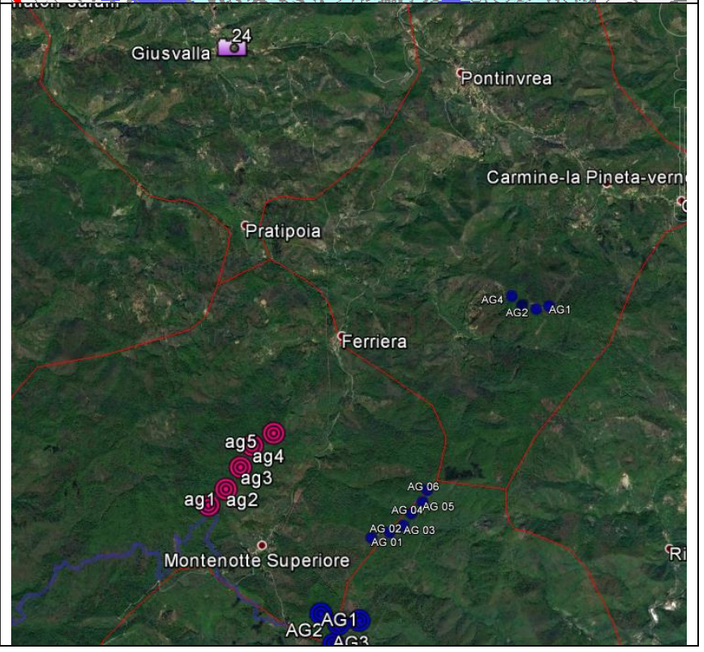
Punto 24: Da Giusvalla – Castello (5,5 km dal parco eolico)

Bene 07/00111335: Castello

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

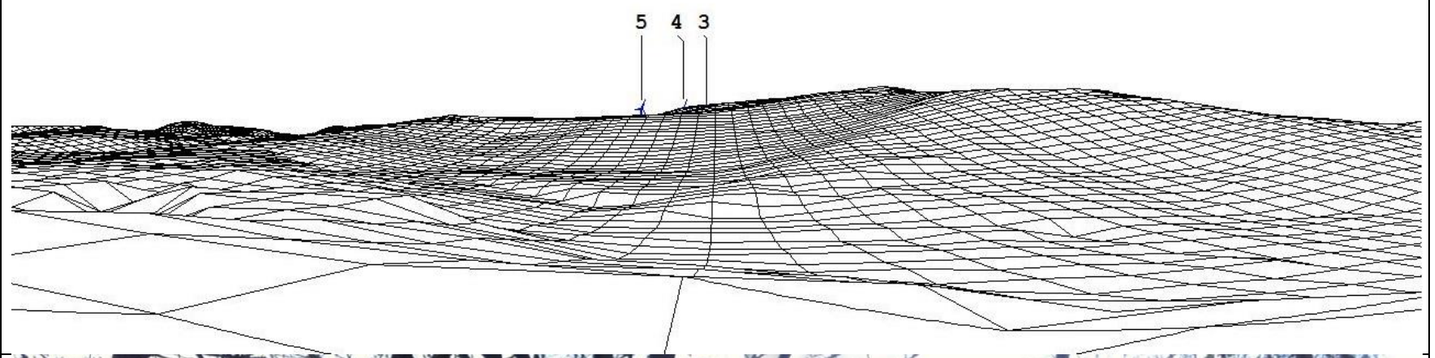


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

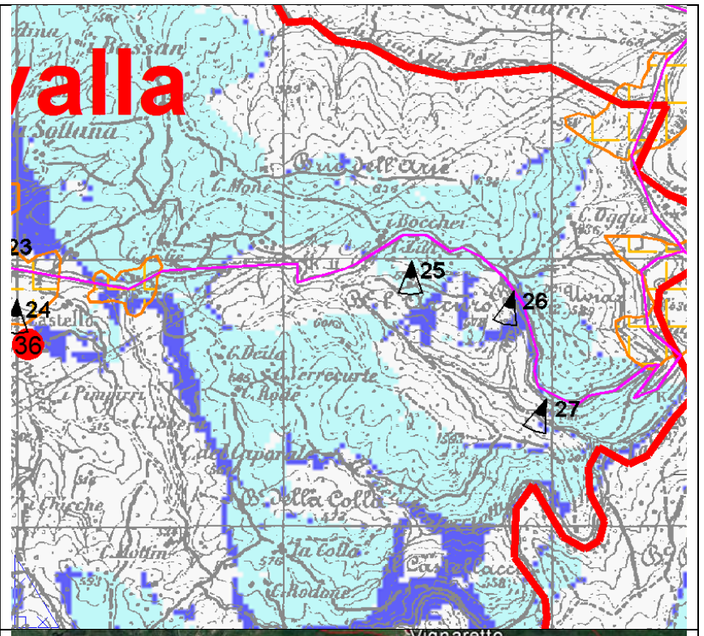


STATO DI PROGETTO

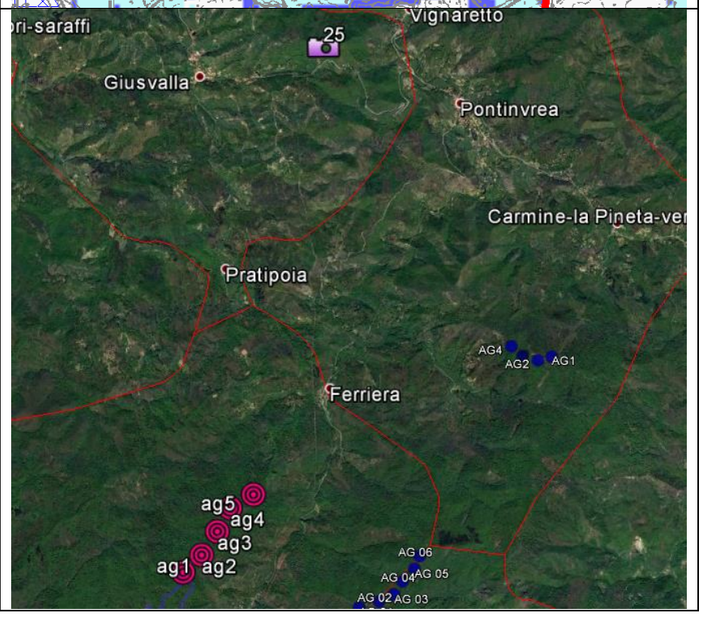


Punto 25: Da Giusvalla (5,8 km dal parco eolico)

PUNTO SU ZVI

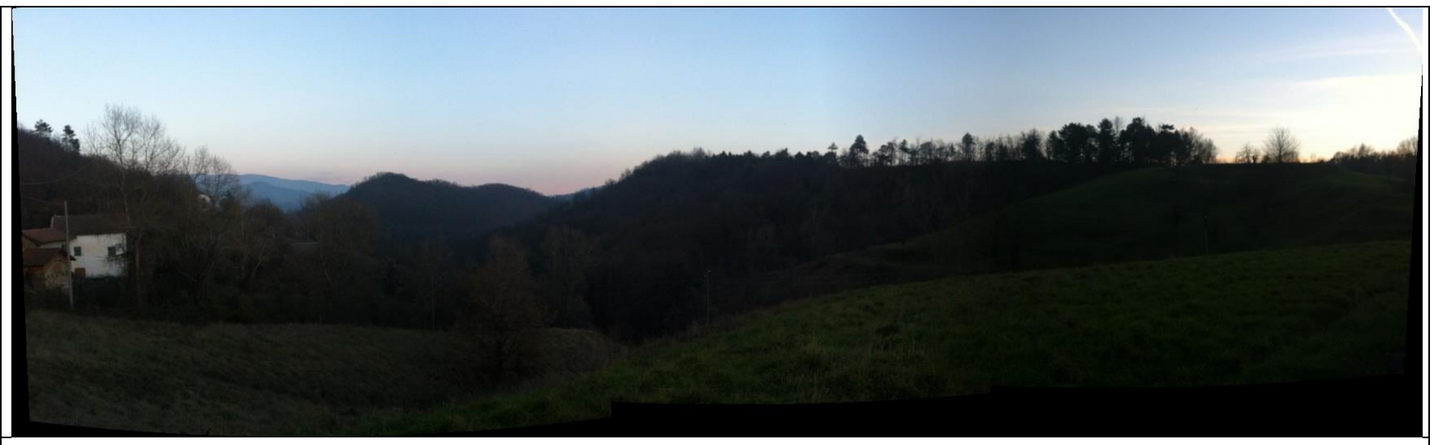


PUNTO SU ORTOFOTO 2D

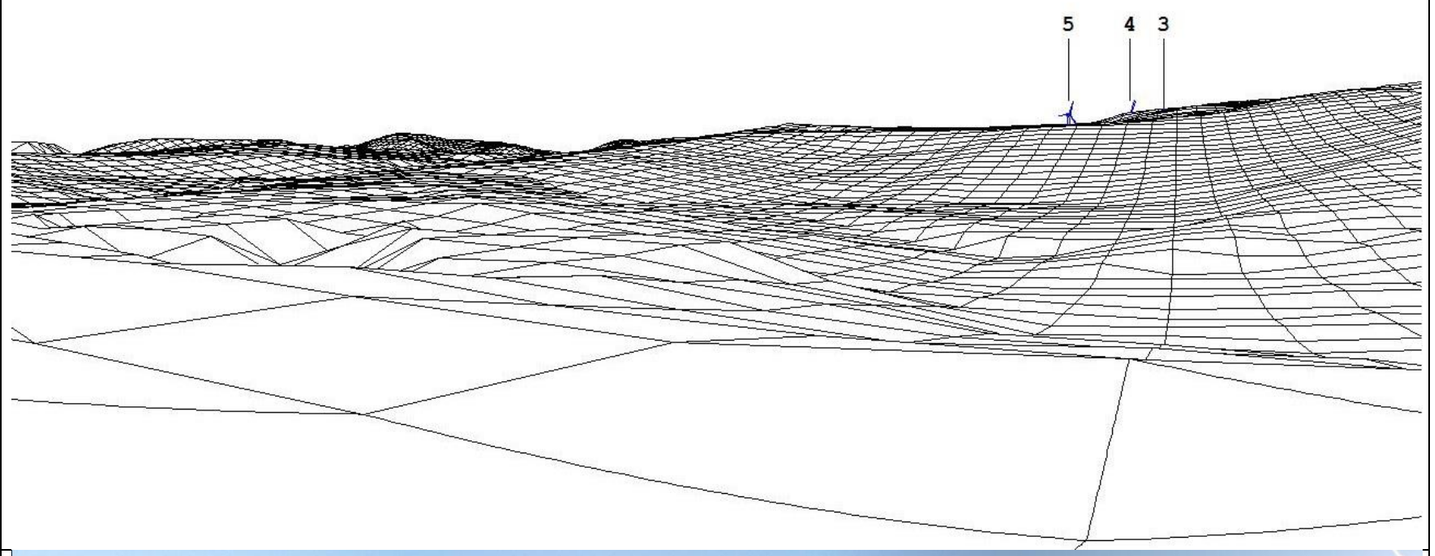


PANORAMICA

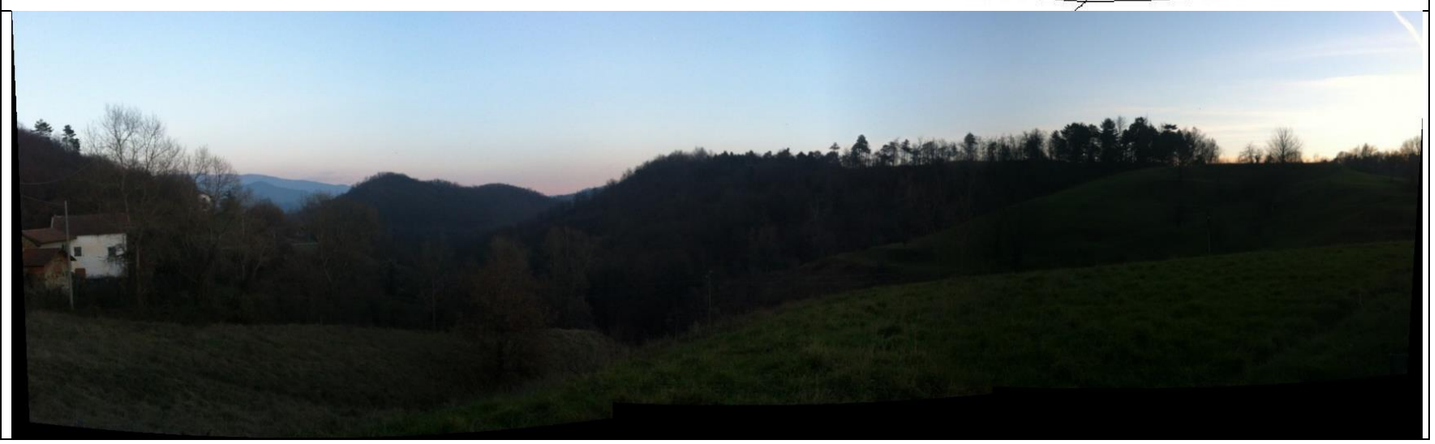
STATO DI FATTO



GRIGLIA 3D

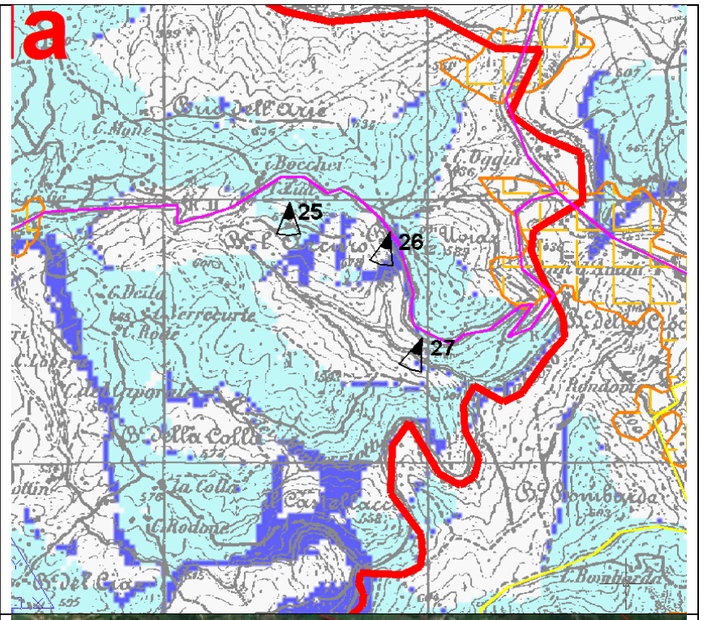


STATO DI PROGETTO

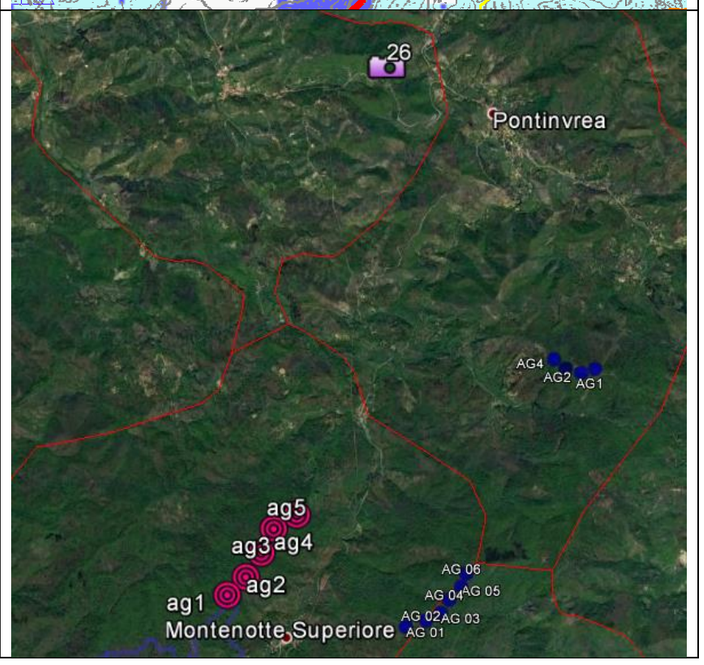


Punto 26: Da Giusvalla (6 km dal parco eolico)

PUNTO SU ZVI

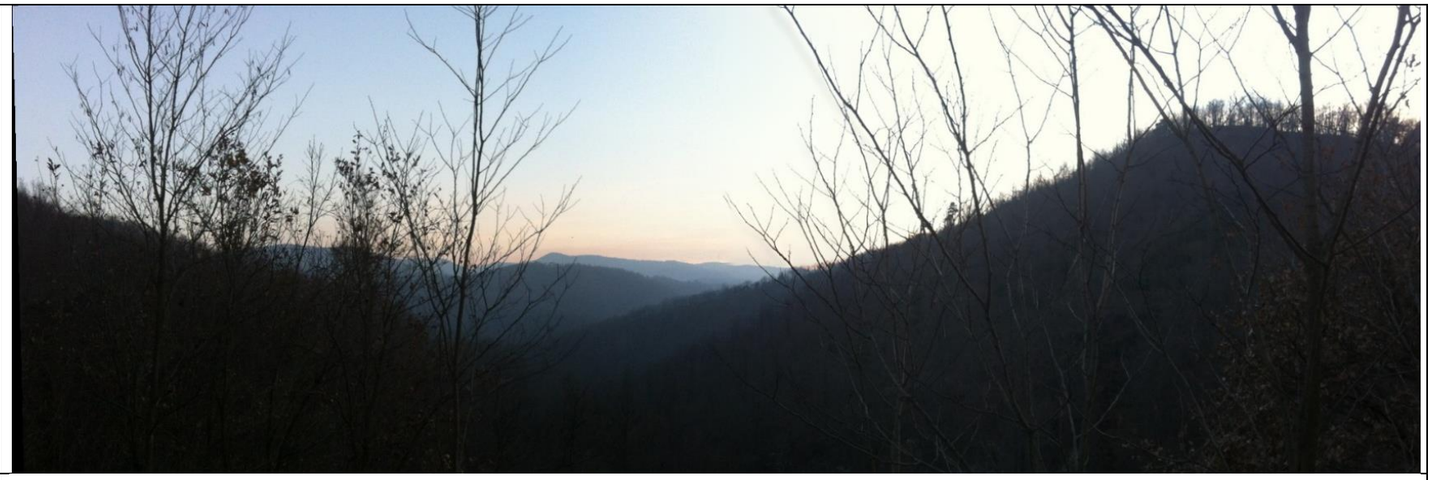


PUNTO SU ORTOFOTO 2D

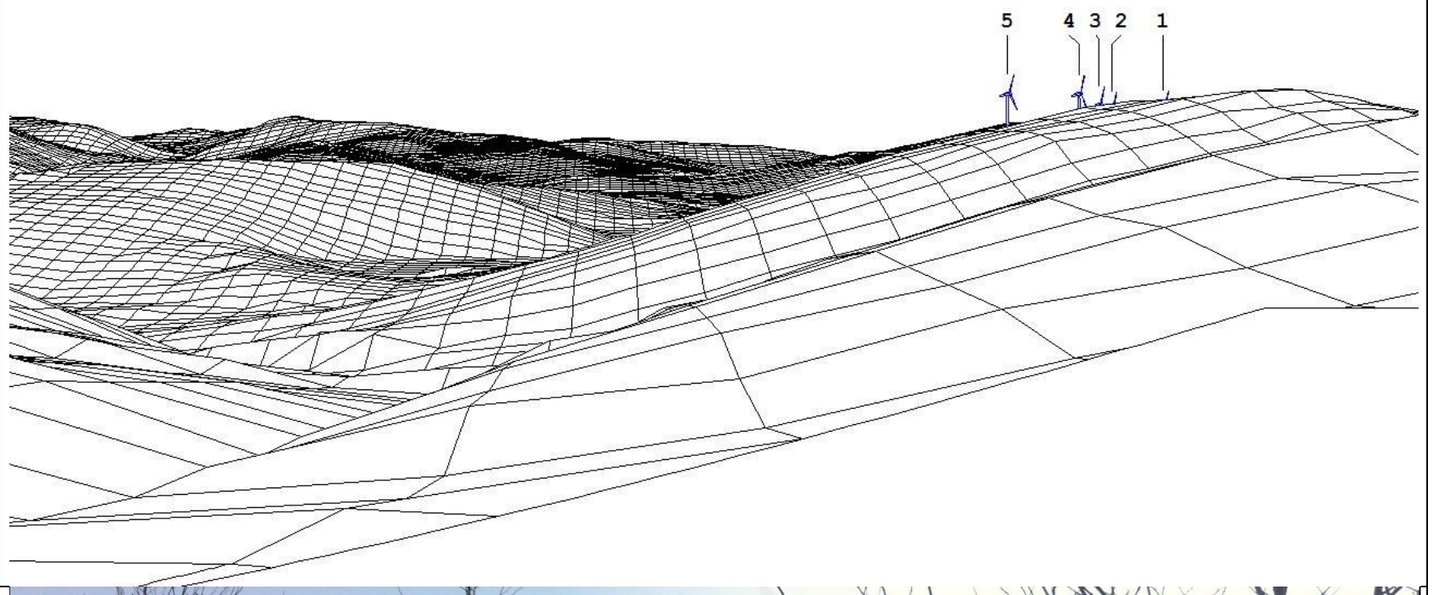


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

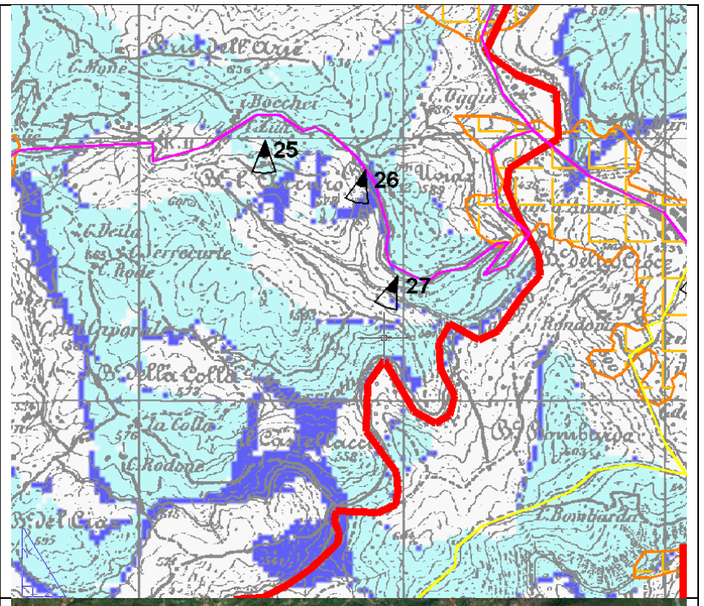


STATO DI PROGETTO

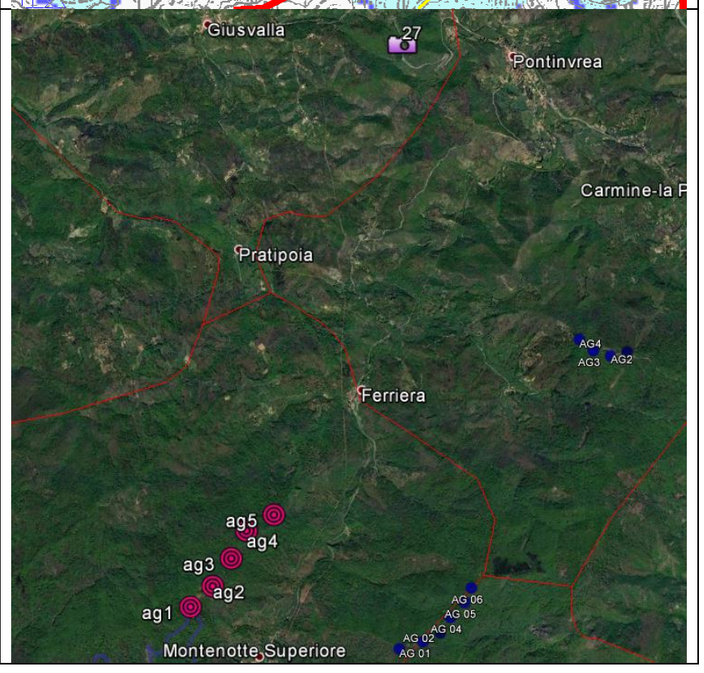


Punto 27: Da Giusvalla (5,5 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

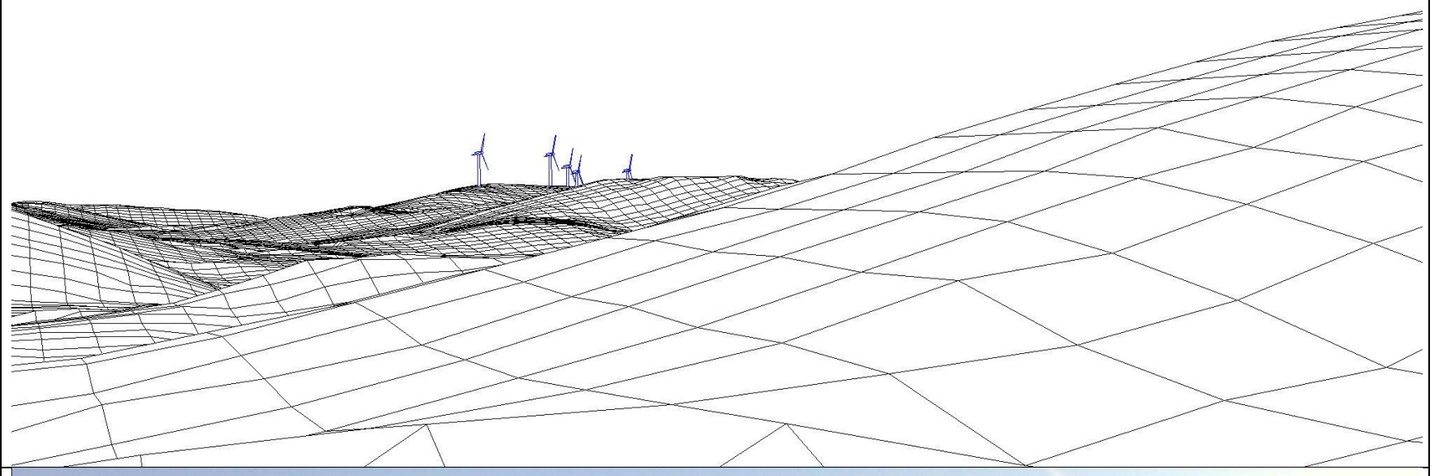


PANORAMICA

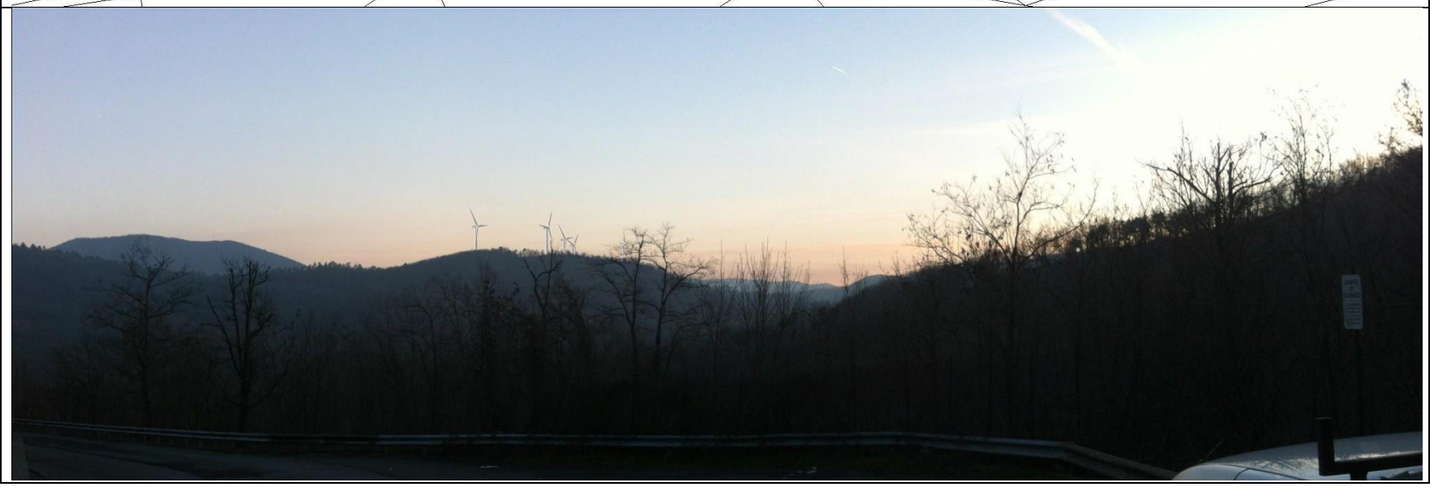
STATO DI FATTO



GRIGLIA 3D

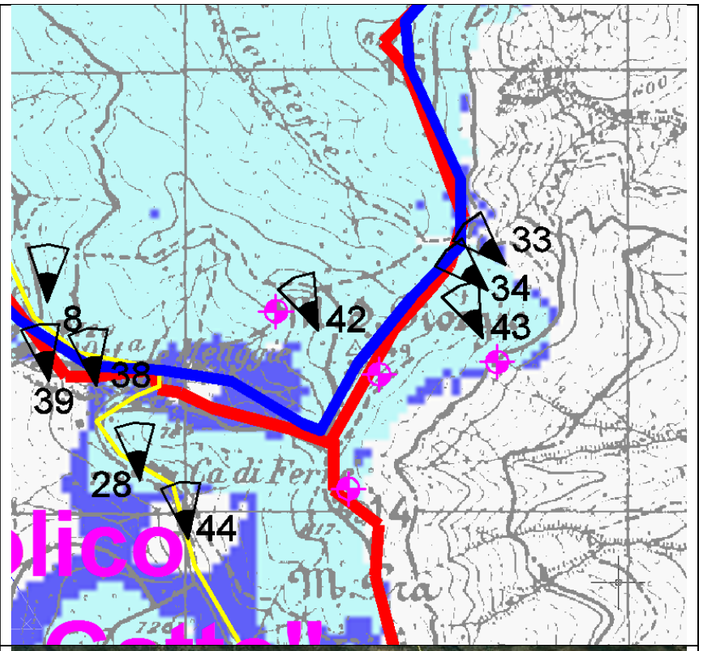


STATO DI PROGETTO

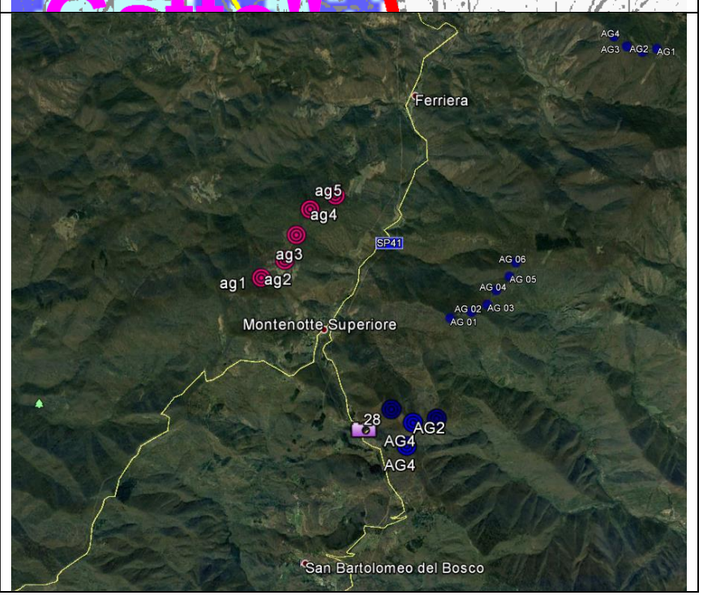


Punto 28: Da località Naso di Gatto, 2,5 km dal parco eolico

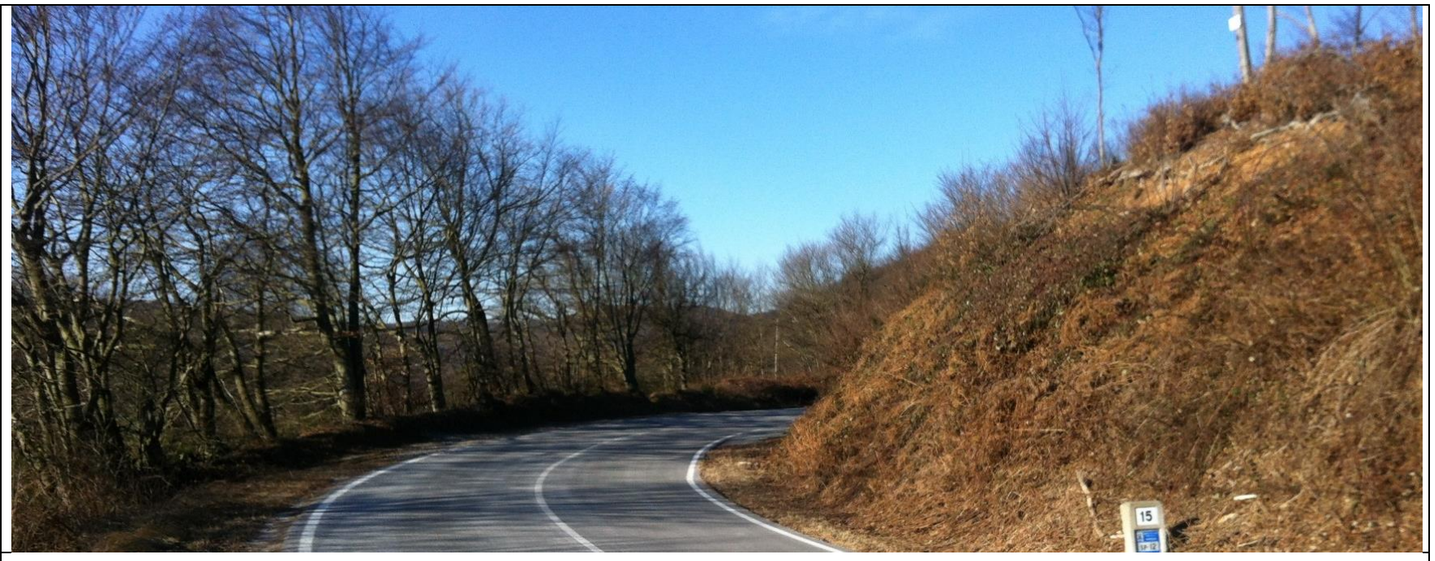
PUNTO SU ZVI



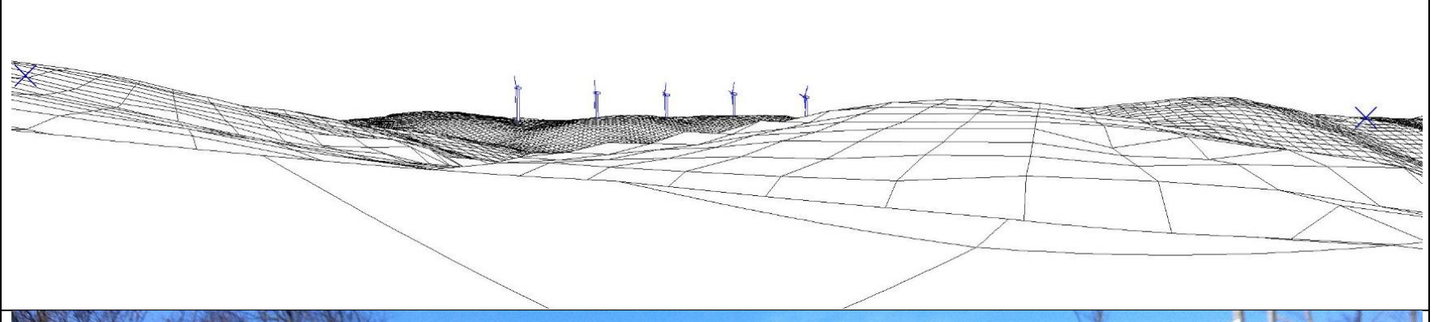
PUNTO SU ORTOFOTO 2D



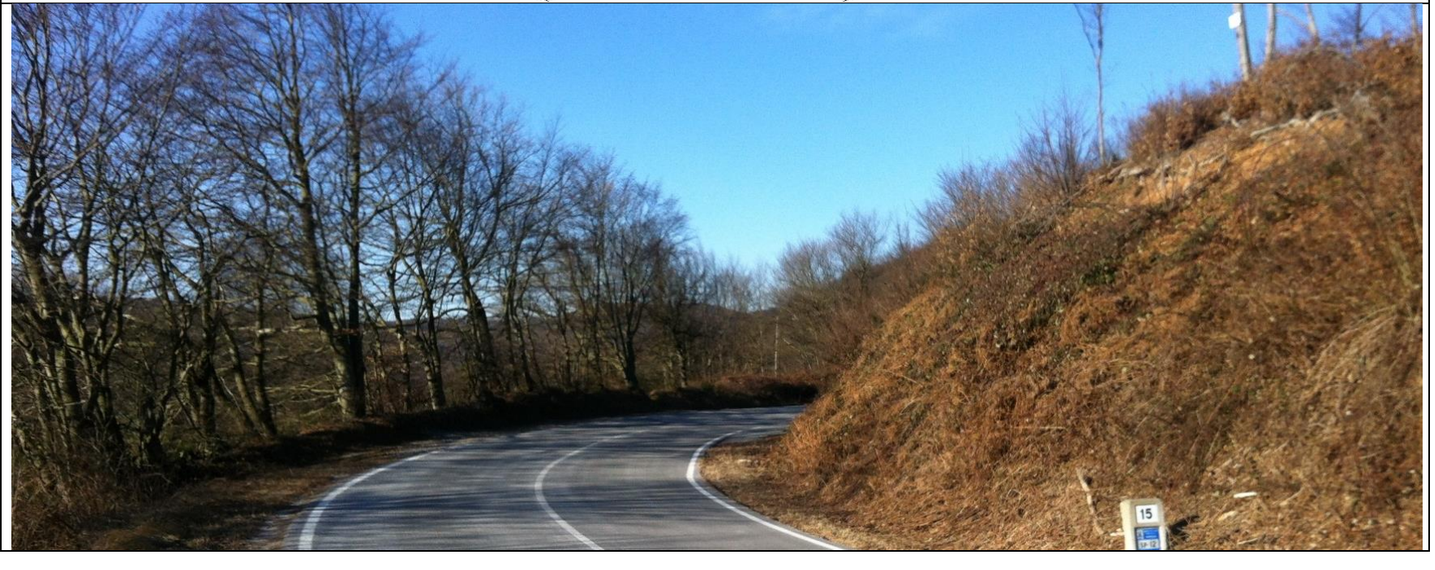
STATO DI FATTO



GRIGLIA 3D

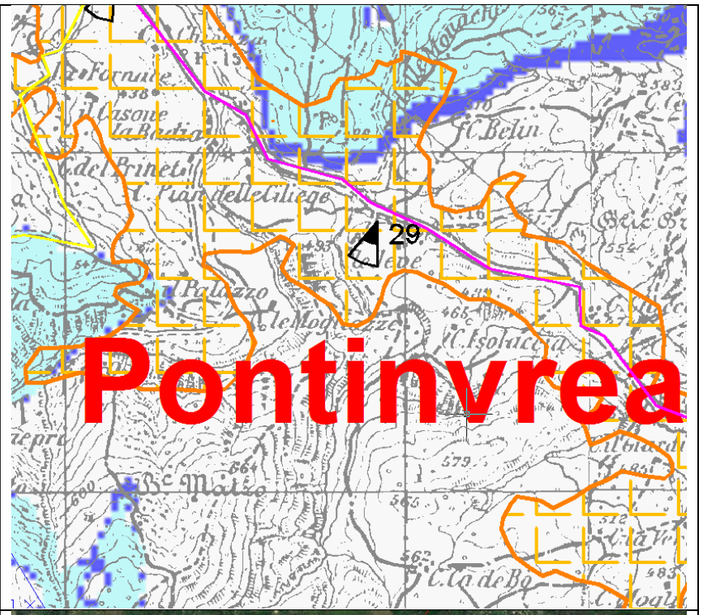


STATO DI PROGETTO

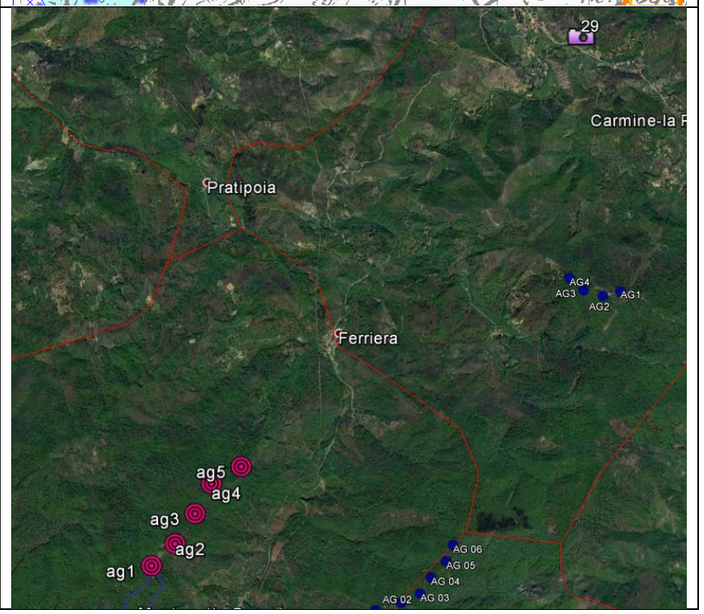


Punto 29: Da Pontinvrea (6 km dal parco eolico)

PUNTO SU ZVI

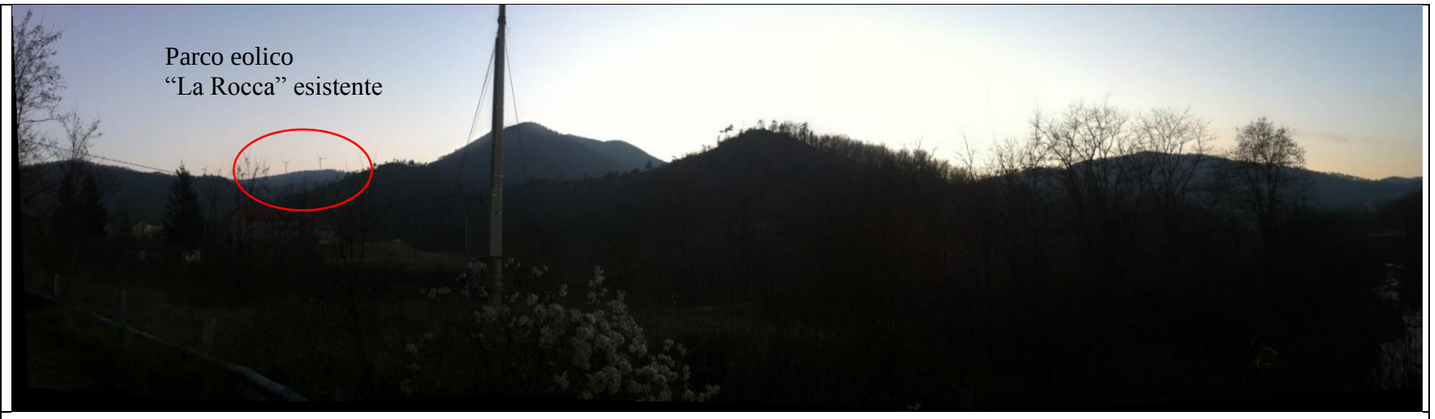


PUNTO SU ORTOFOTO 2D

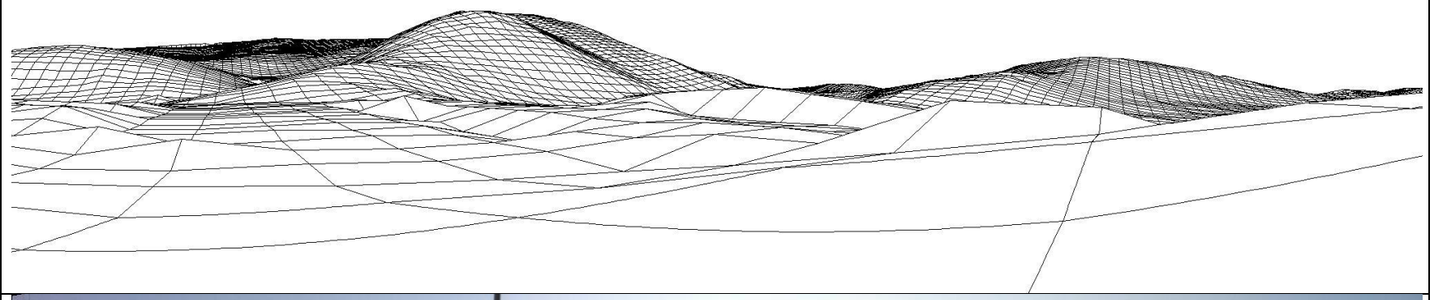


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

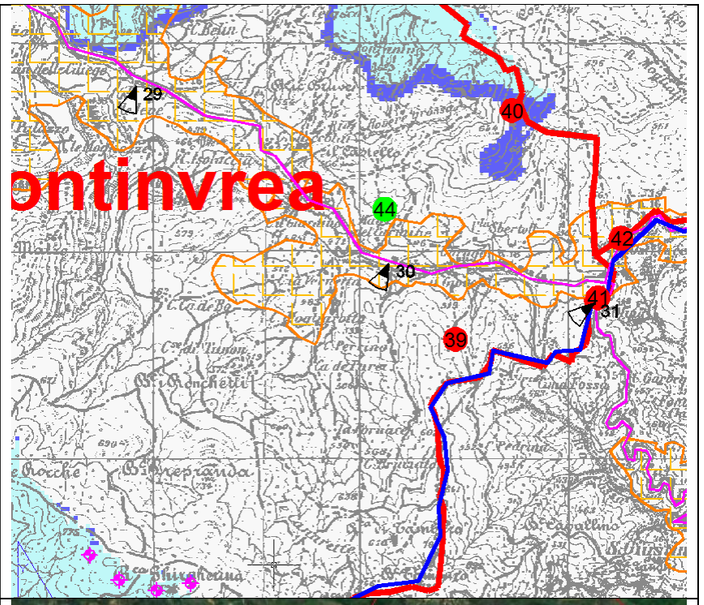


STATO DI PROGETTO

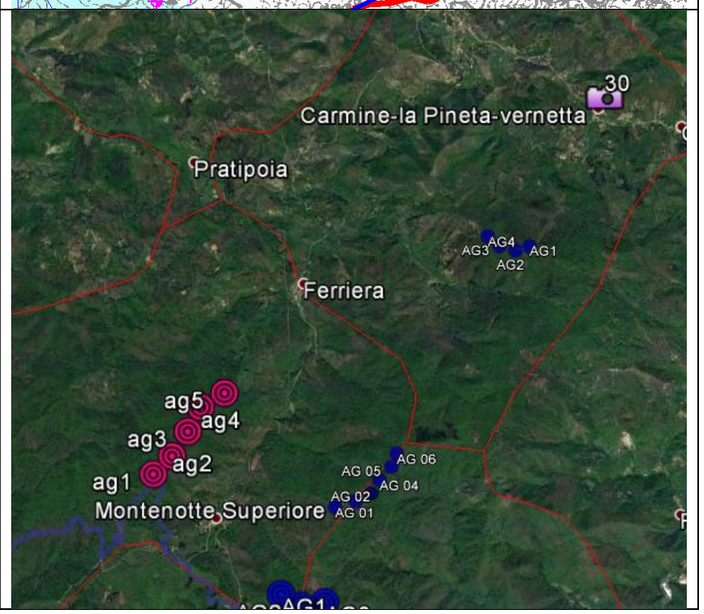


Punto 30: Da Pontinvrea, loc. Carmine (6 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

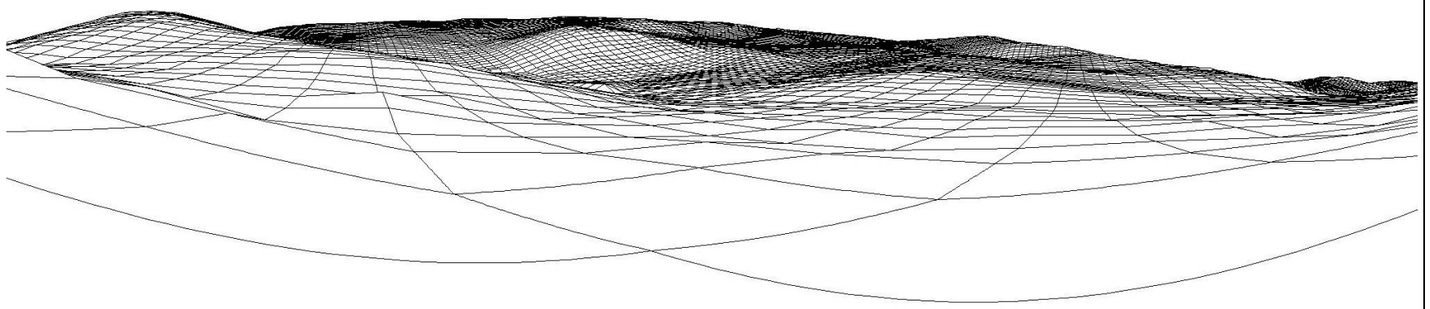


PANORAMICA

STATO DI FATTO



GRIGLIA 3D



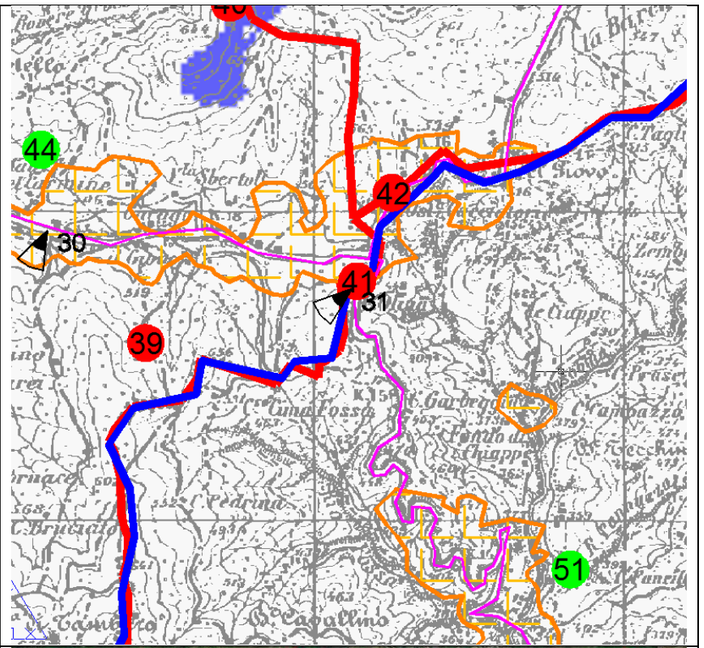
STATO DI PROGETTO



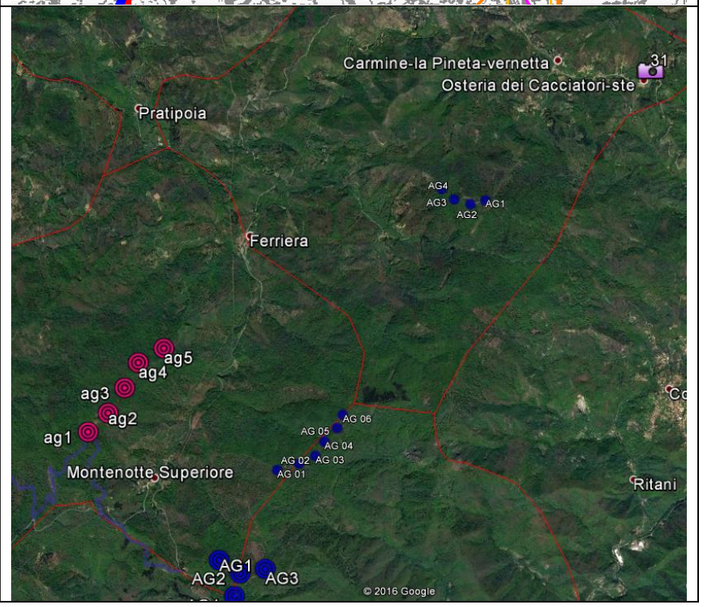
Punto 31: Da Pontinvrea, SP 334 (6 km dal parco eolico)

Bene 07/00109875: Complesso Fortificato del Giovo comprendente Forte Tagliata, Forte Scarlato

PUNTO SU ZVI



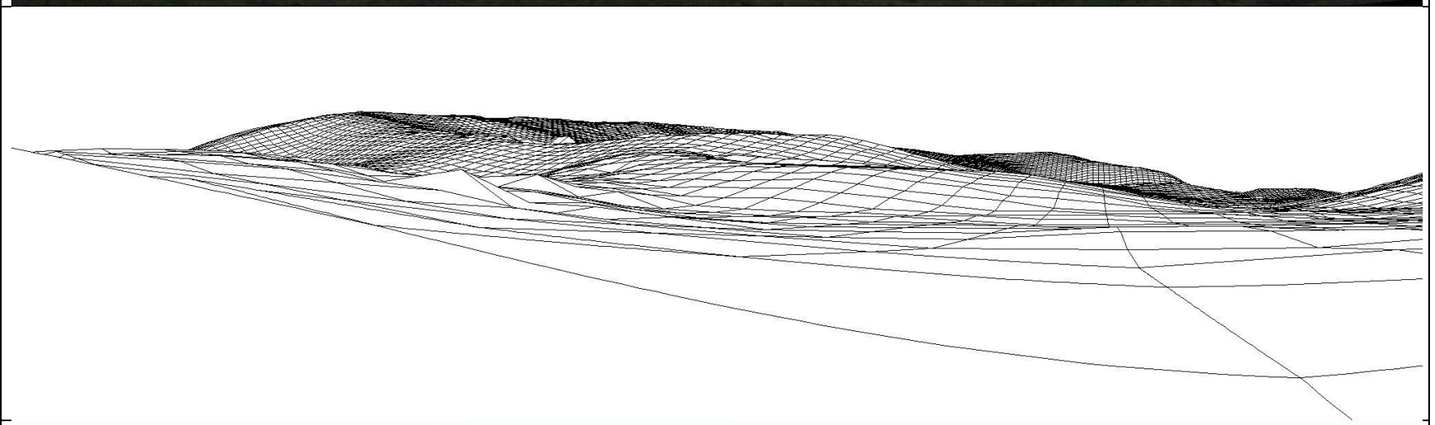
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

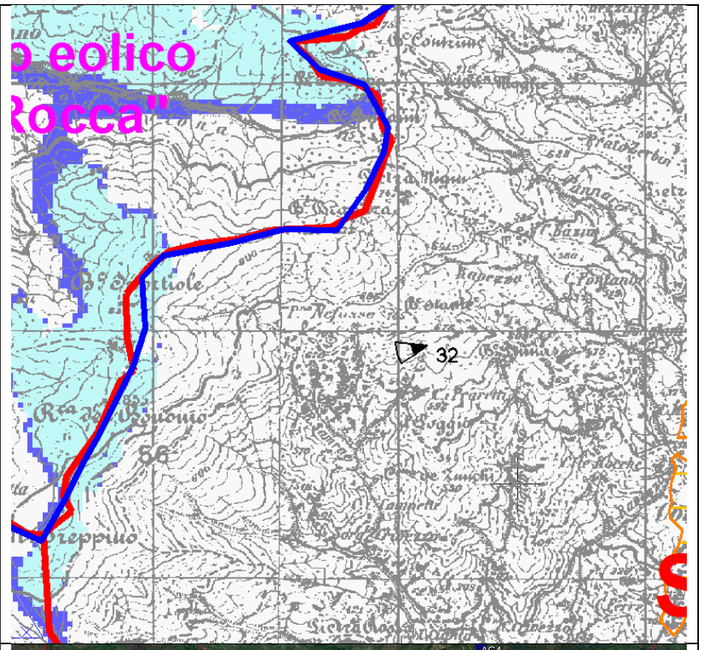


STATO DI PROGETTO

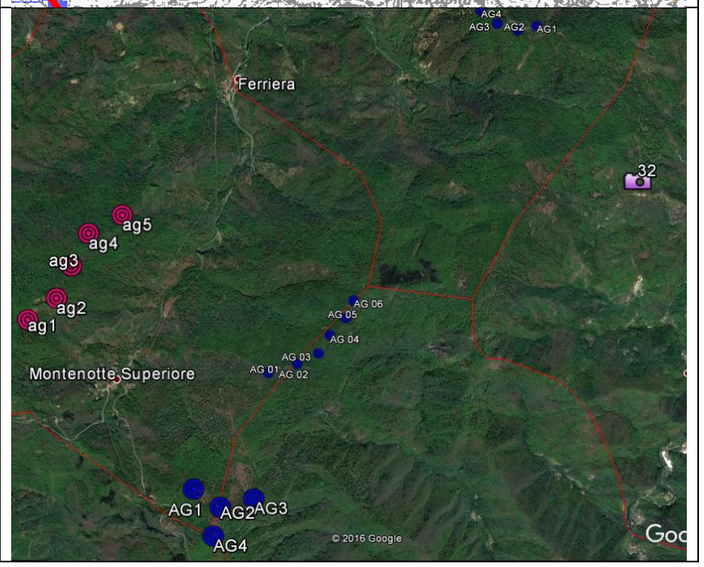


Punto 32: Da Stella, 4,5 km dal parco eolico

PUNTO SU ZVI

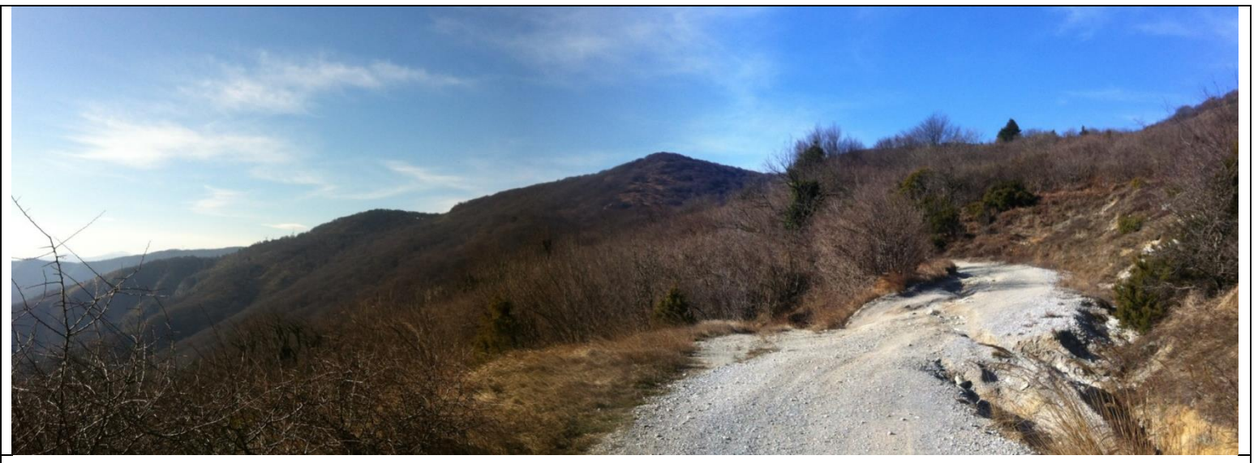


PUNTO SU ORTOFOTO 2D

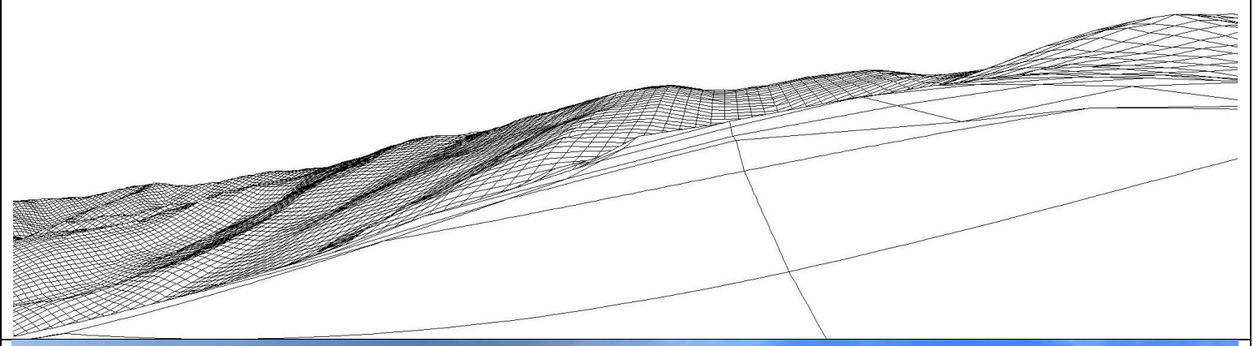


PANORAMICA

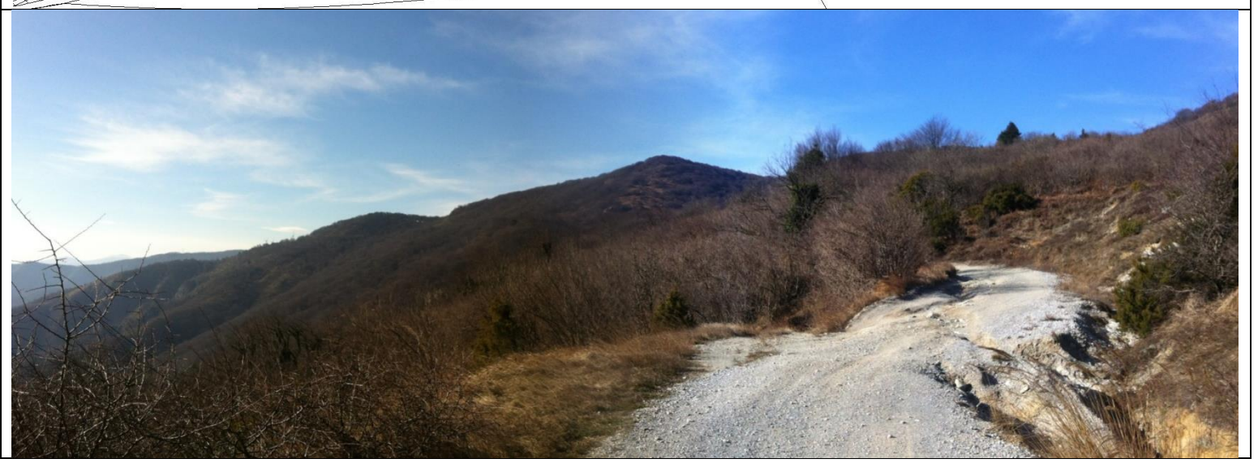
STATO DI FATTO



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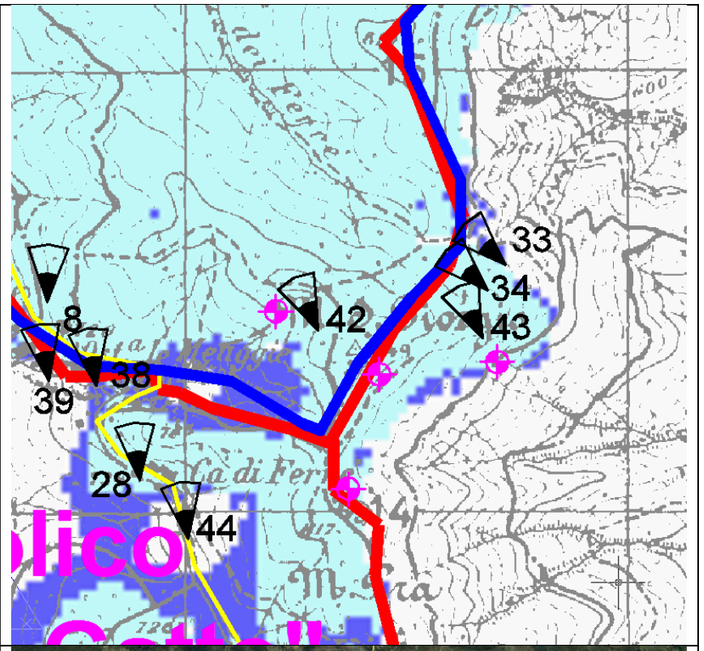


STATO DI PROGETTO

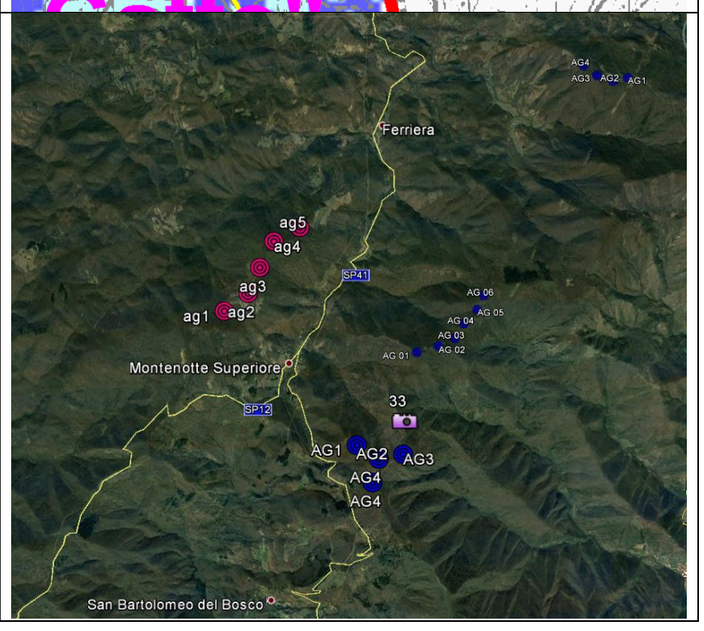


Punto 33: Da Parco eolico “Naso di Gatto” (2,5 km dal parco eolico)

PUNTO SU ZVI



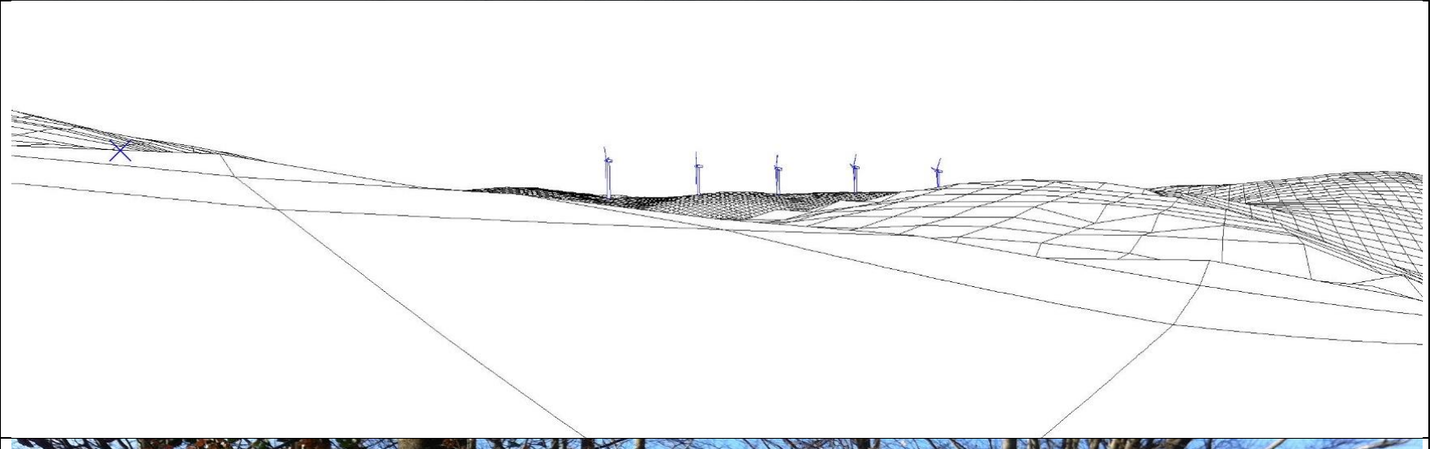
PUNTO SU ORTOFOTO 2D



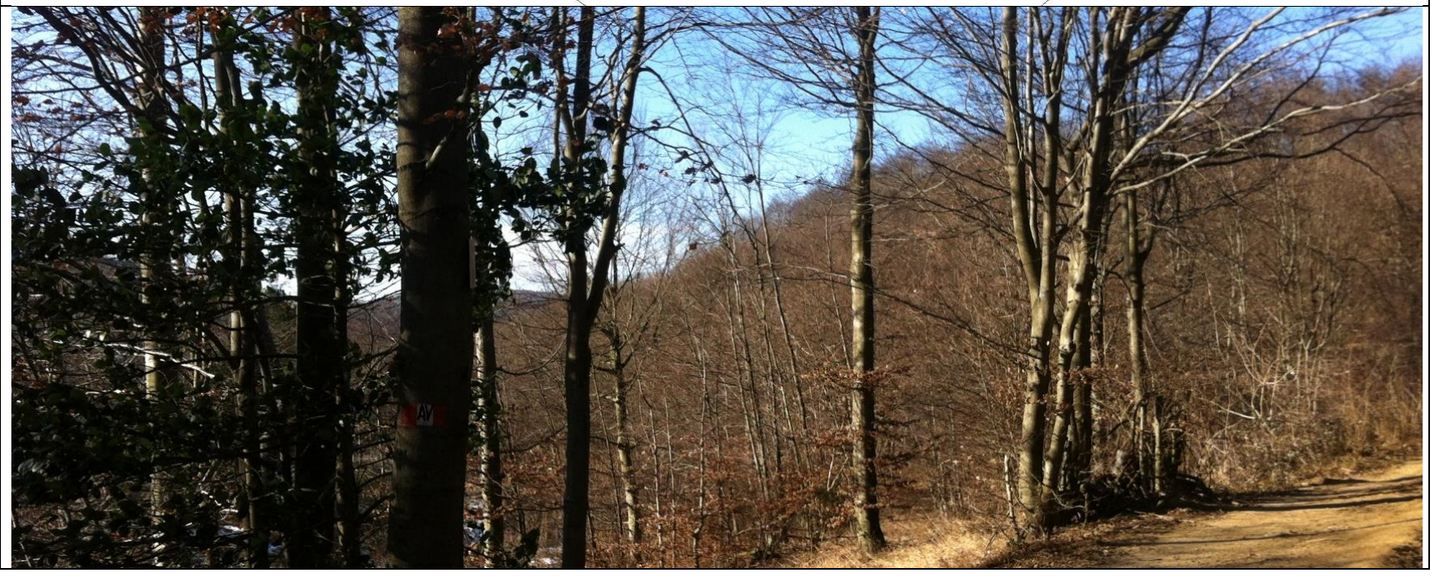
STATO DI FATTO



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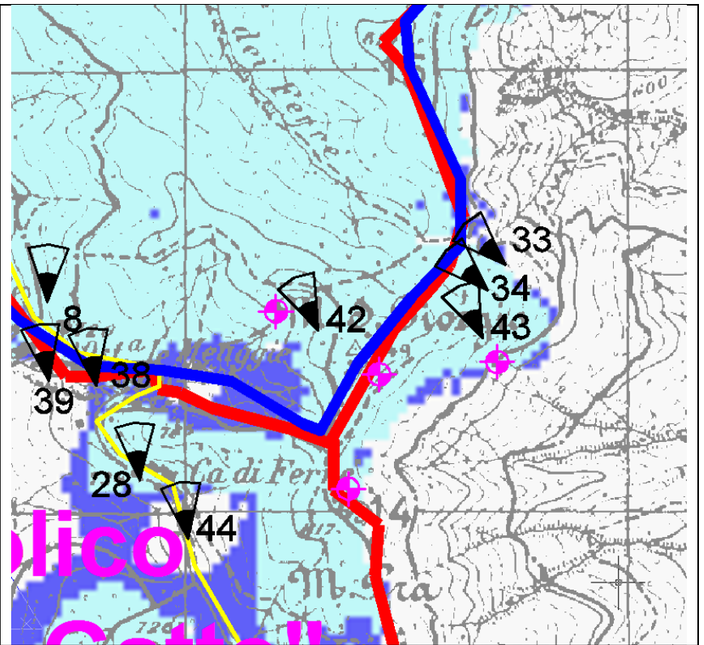


STATO DI PROGETTO

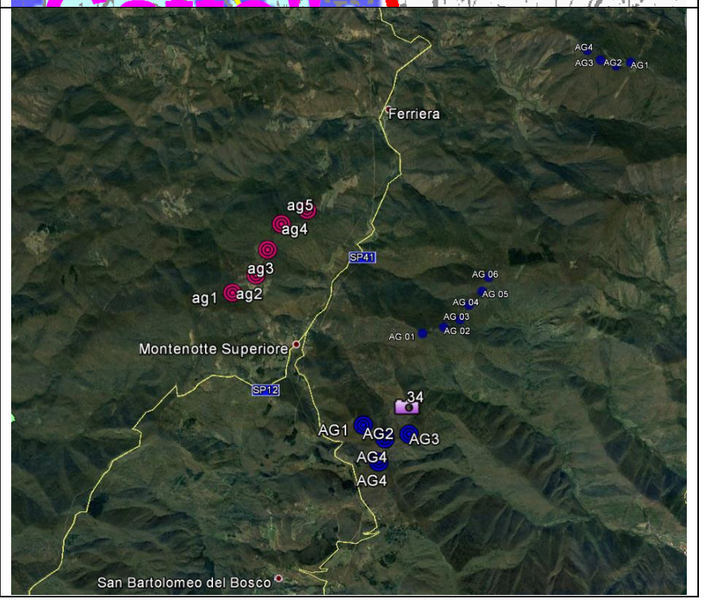


Punto 34: Da Parco eolico “Naso di Gatto”, AG 3 (2,5 km dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

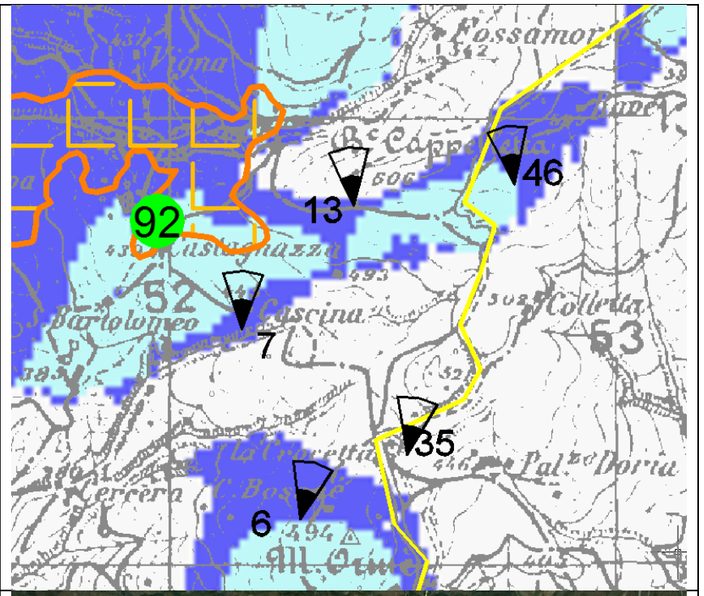


STATO DI PROGETTO

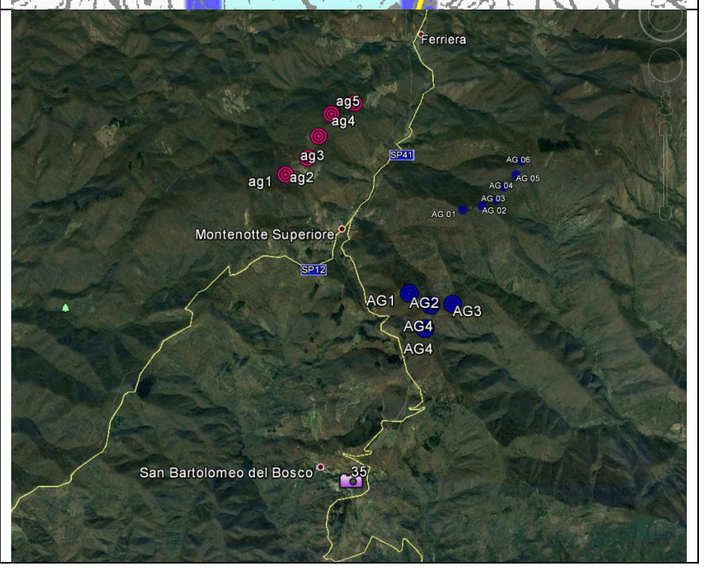


Punto 35: Da San Bartolomeo del Bosco, 3,5 km dal parco eolico

PUNTO SU ZVI



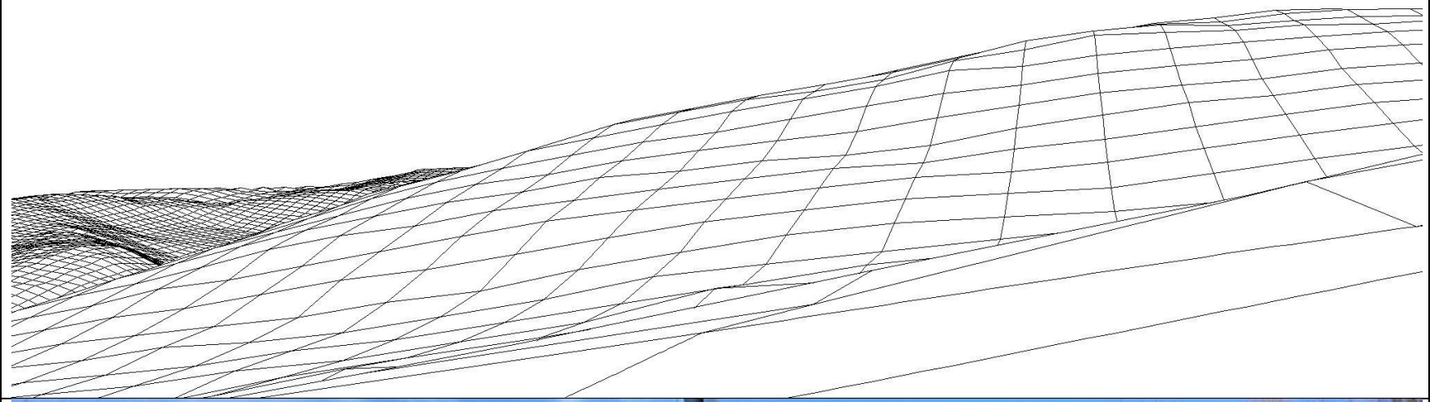
PUNTO SU ORTOFOTO 2D



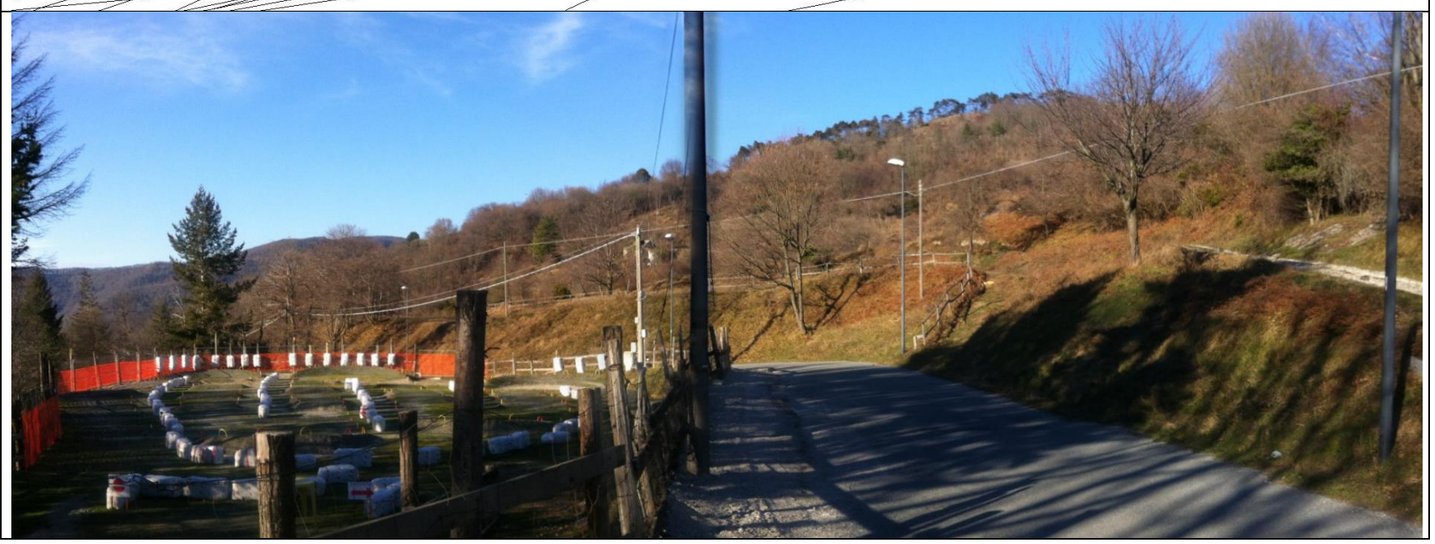
STATO DI FATTO



GRIGLIA 3D

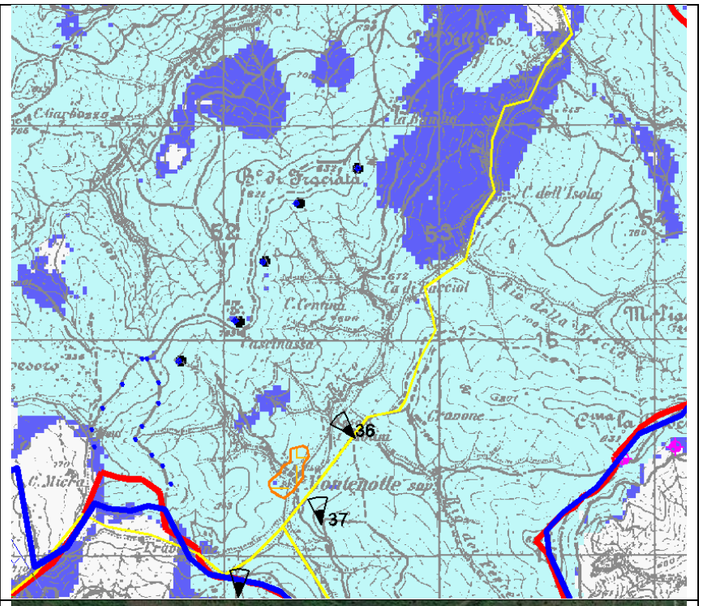


STATO DI PROGETTO

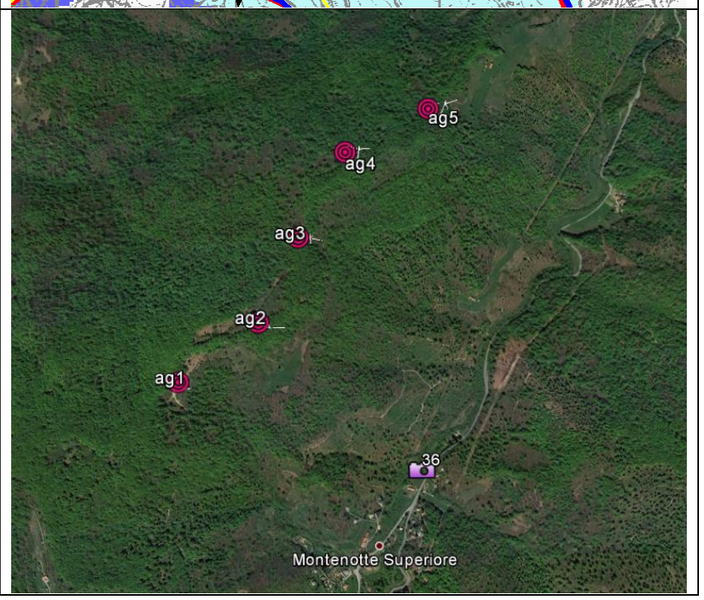


Punto 36: Presso Montenotte Superiore, SP 12 (850 m dal parco eolico)

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

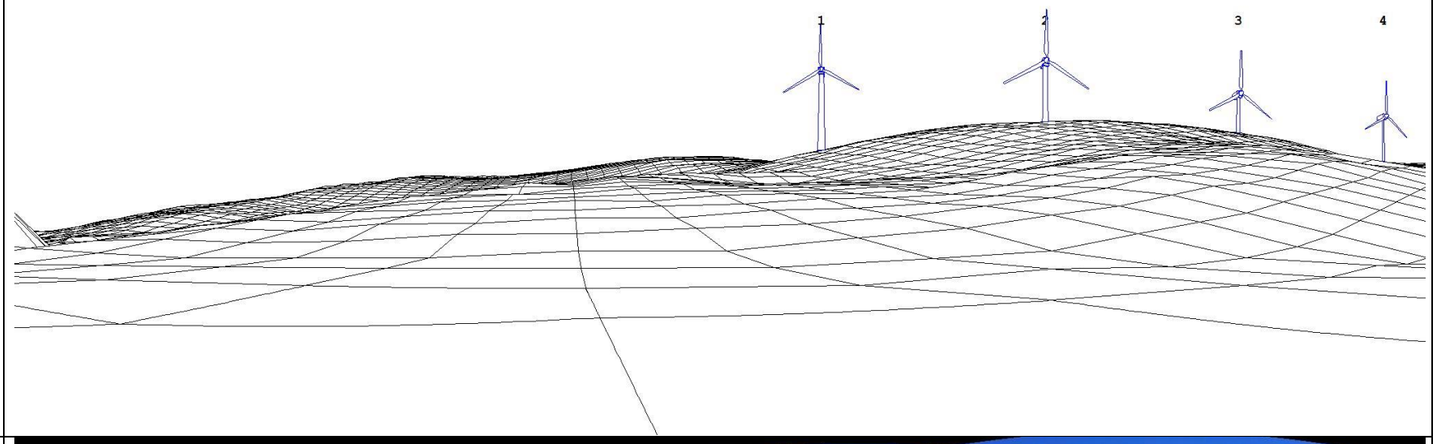


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

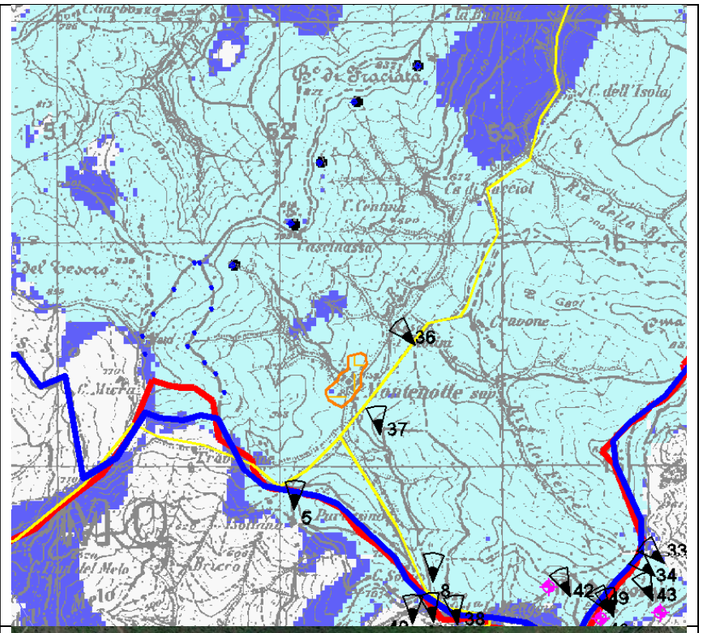


STATO DI PROGETTO

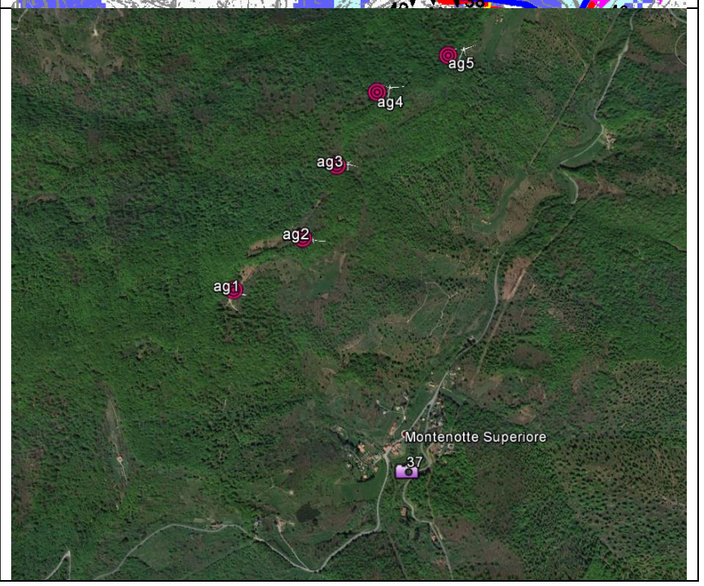


Punto 37: Da Montenotte Superiore, 1 km dal parco eolico

PUNTO SU ZVI



PUNTO SU ORTOFOTO 2D

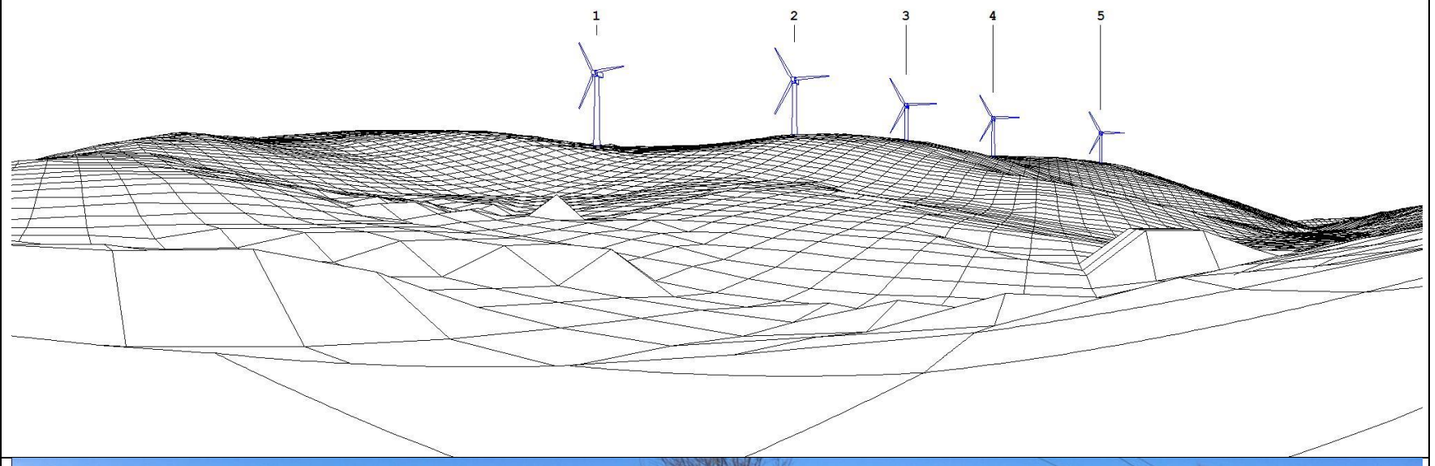


PANORAMICA

STATO DI FATTO



GRIGLIA 3D

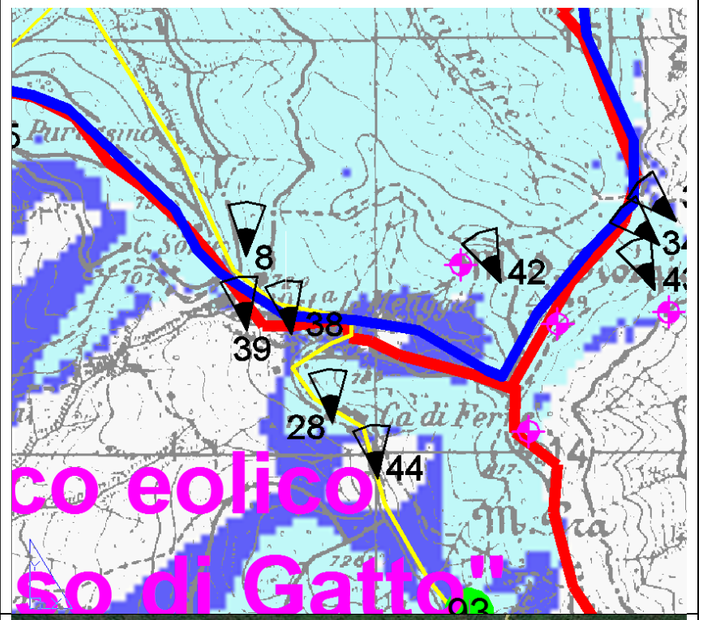


STATO DI PROGETTO

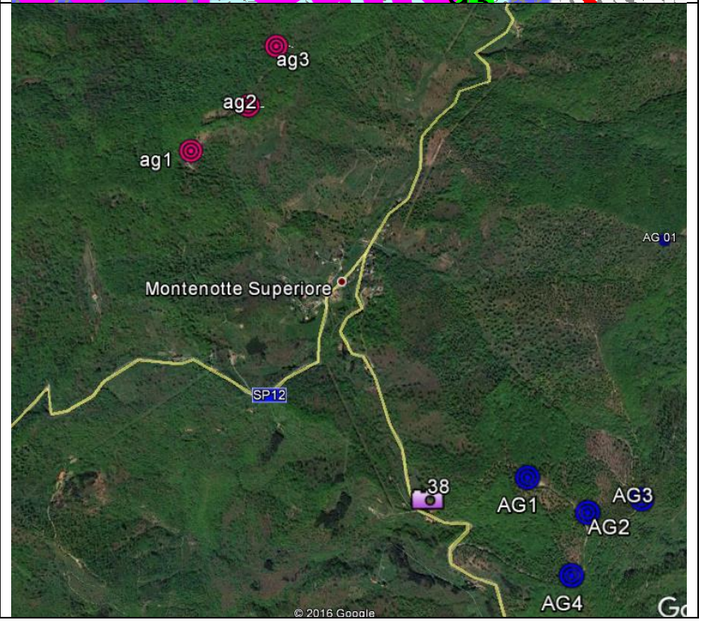


Punto 38: Strada per Montenotte Superiore, 2 km dal parco eolico

PUNTO SU ZVI



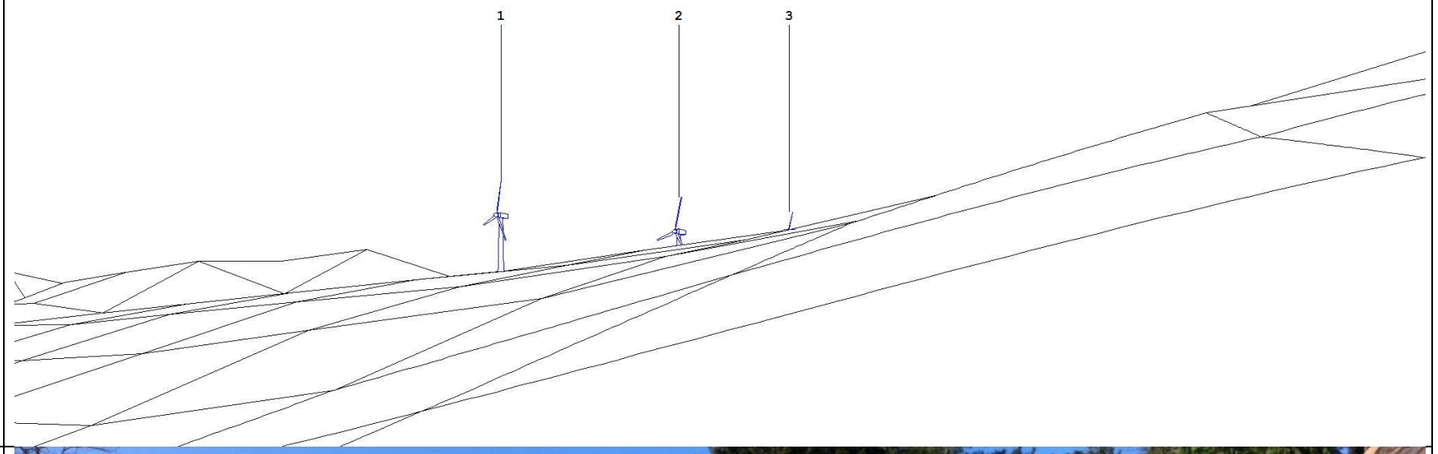
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D



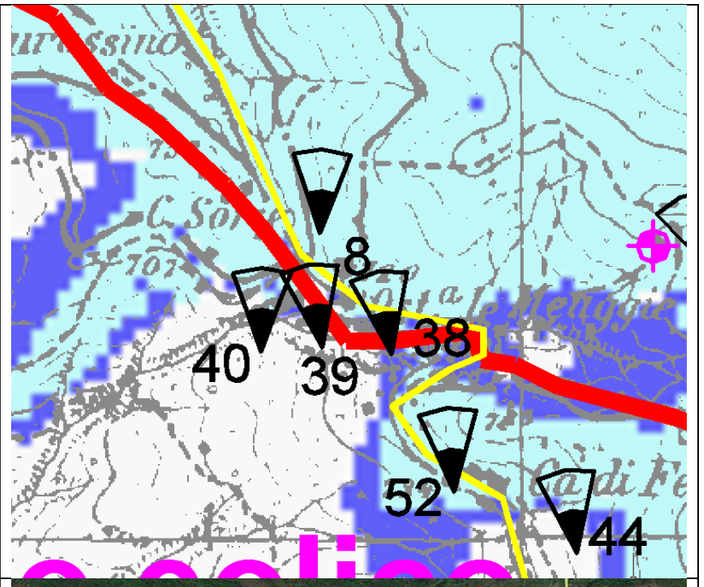
STATO DI PROGETTO



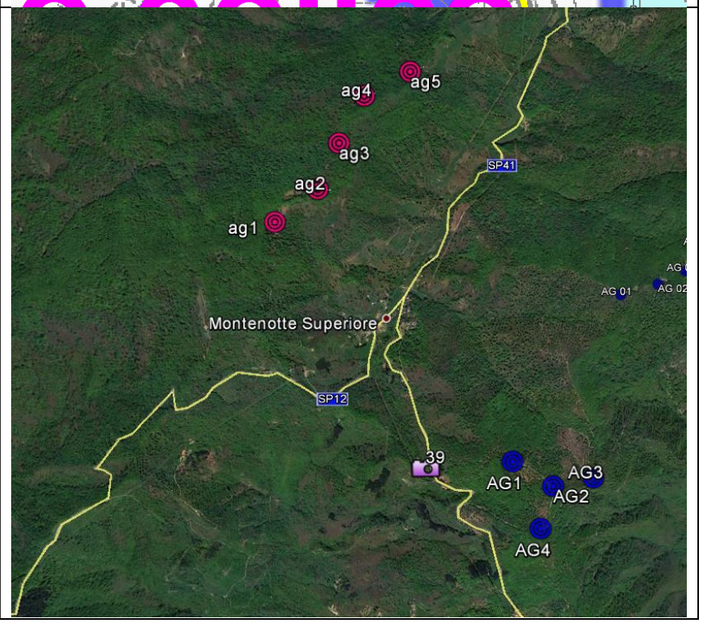
Punto 39: Strada per Montenotte Superiore, 2 km dal parco eolico

ALTA VIA DEI MONTI LIGURI

PUNTO SU ZVI



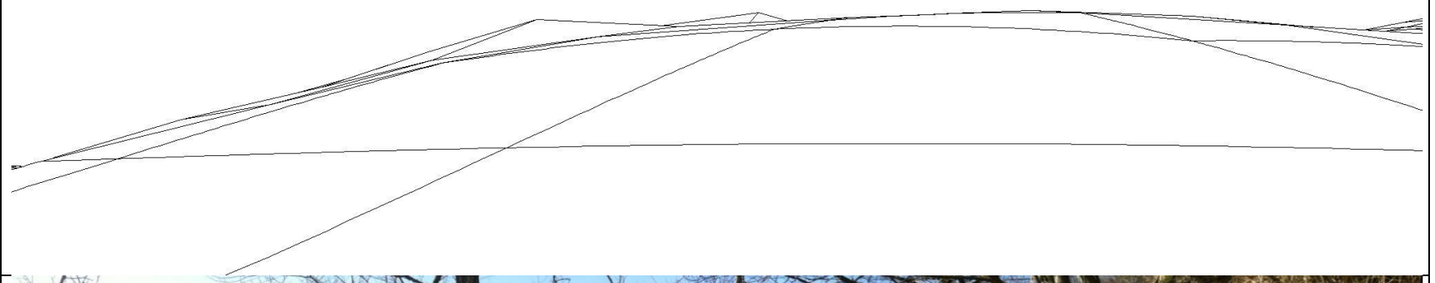
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

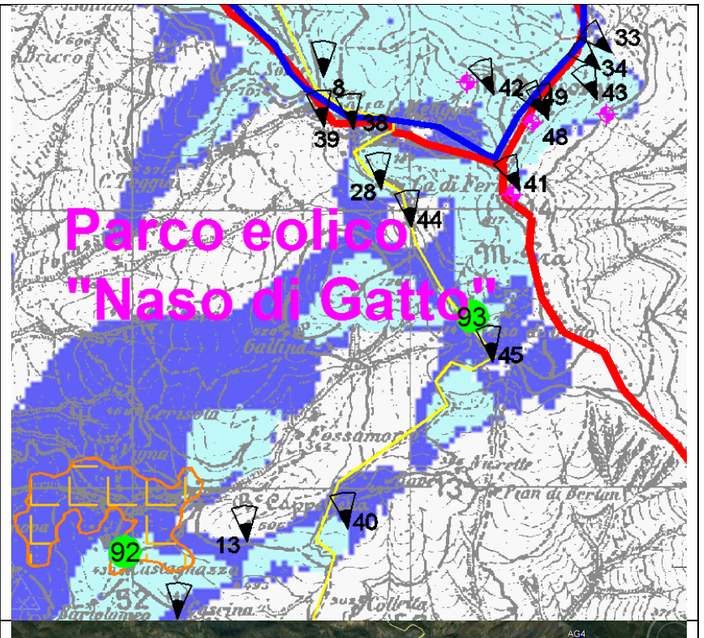


STATO DI PROGETTO

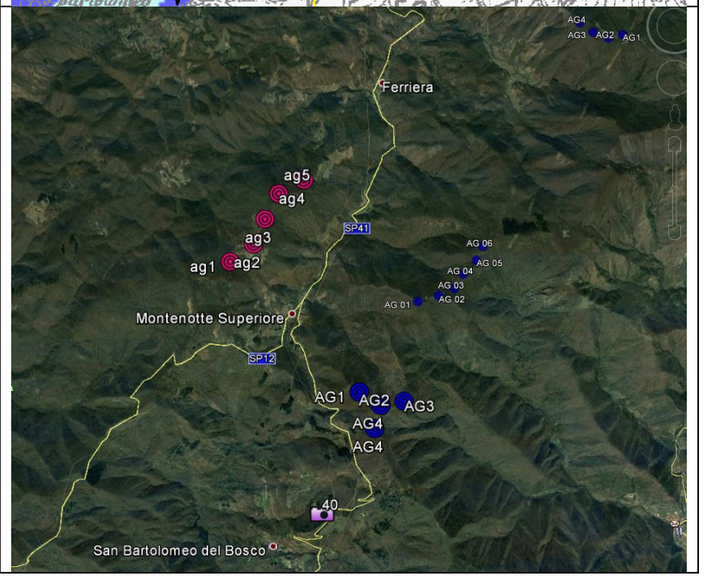


Punto 40: Da San Bartolomeo del Bosco, 3,5 km dal parco eolico

PUNTO SU ZVI



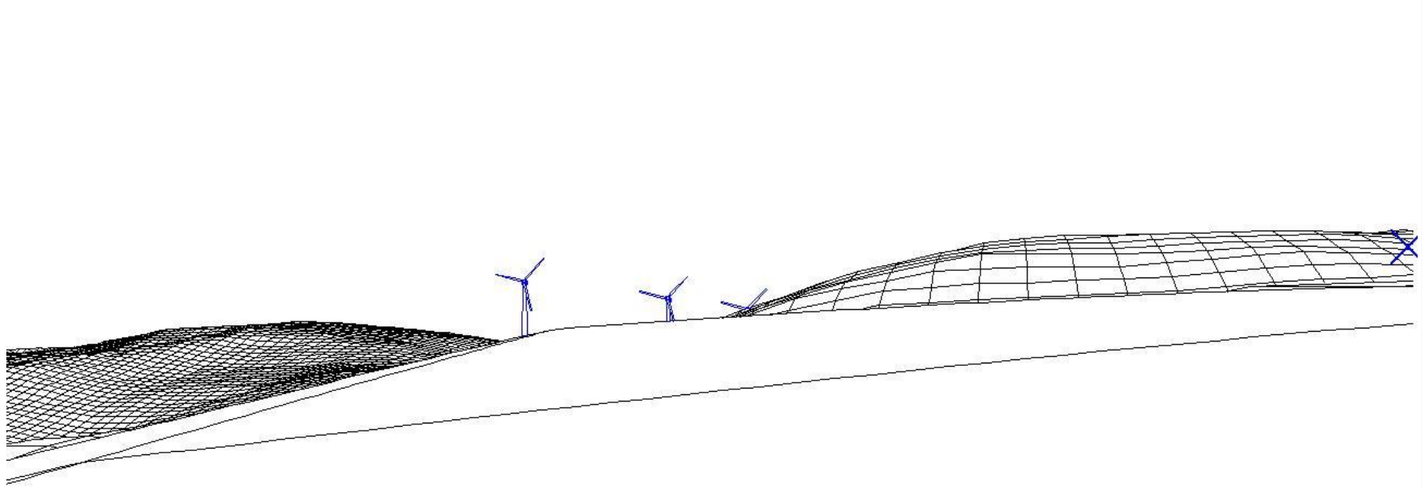
PUNTO SU ORTOFOTO 2D



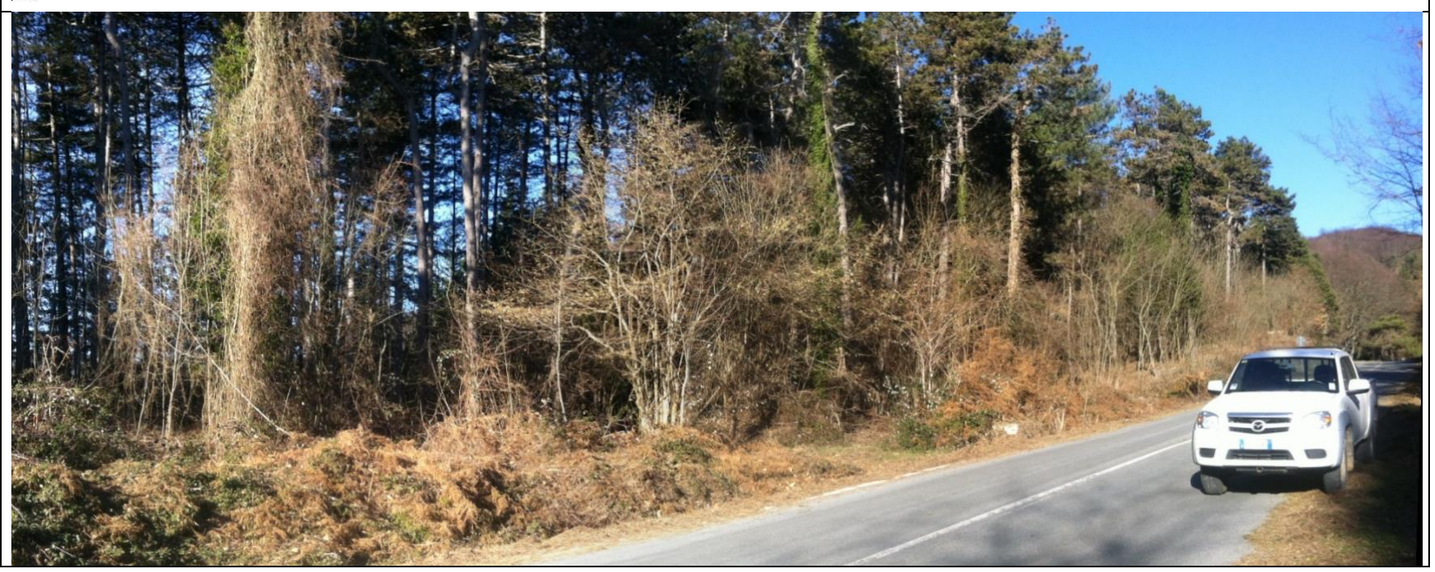
STATO DI FATTO



GRIGLIA 3D



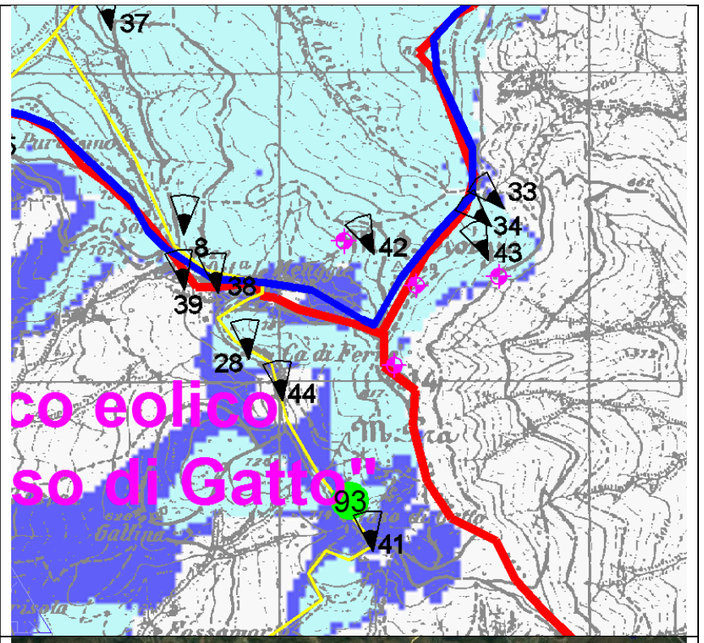
STATO DI PROGETTO



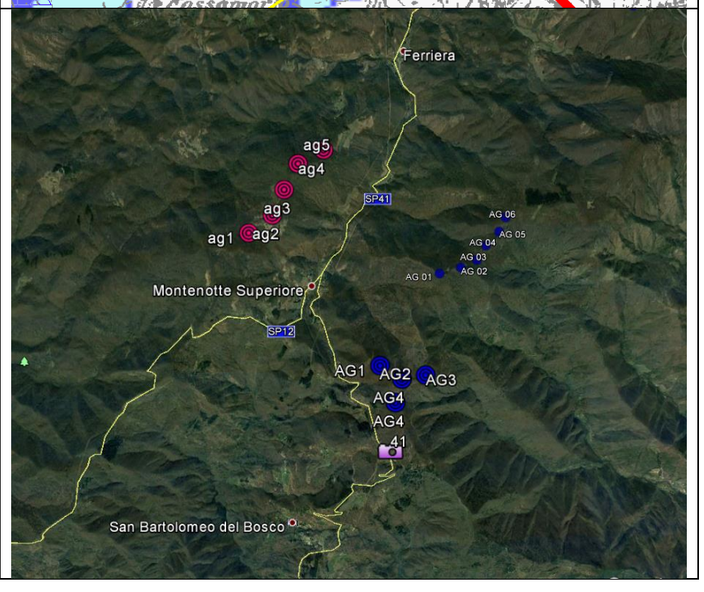
Punto 41: Da Località Naso di Gatto, 3 km dal parco eolico

Bene 07/00112125: Edificio località Naso di Gatto, Casa del Commissario

PUNTO SU ZVI



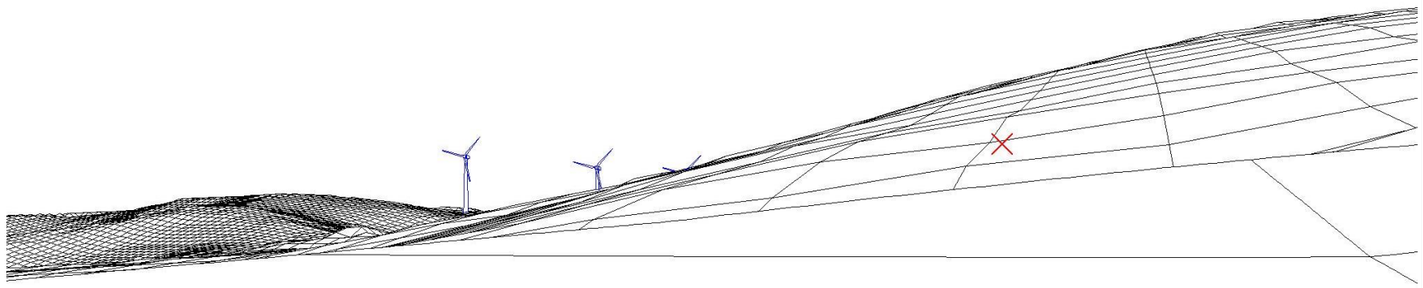
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

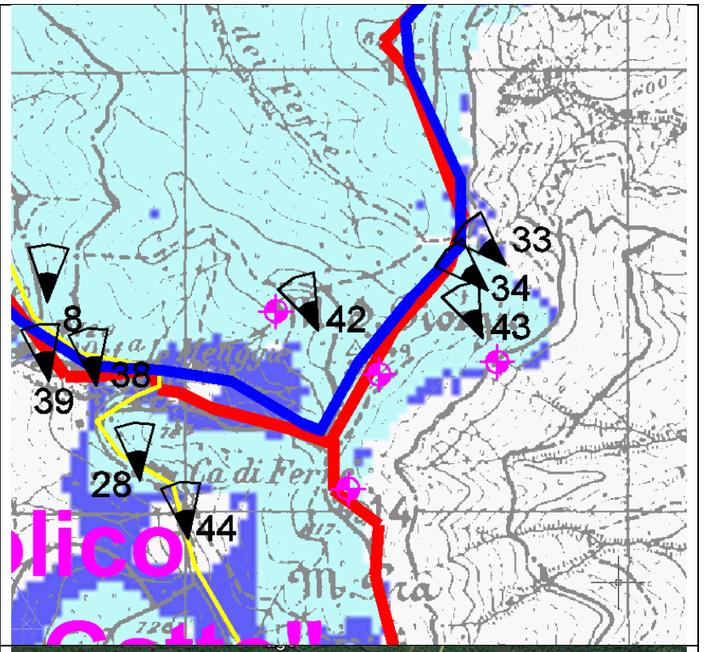


STATO DI PROGETTO

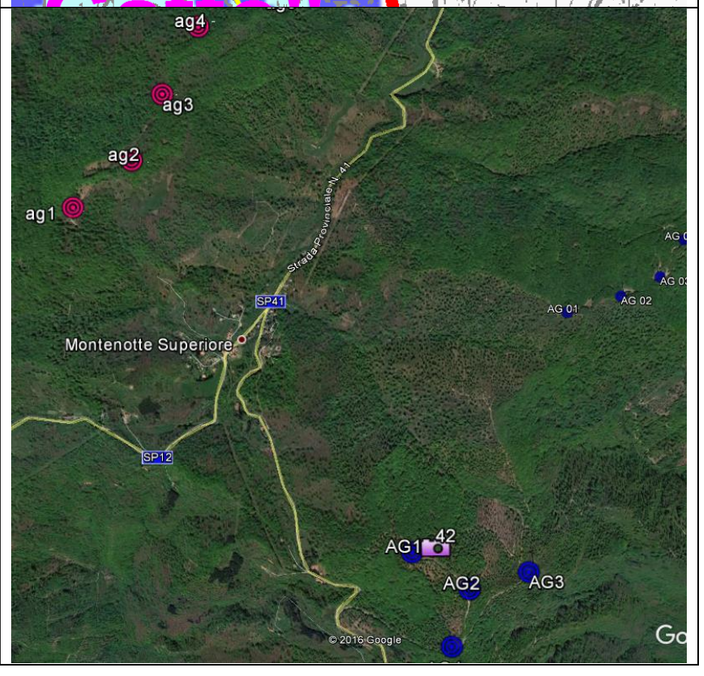


Punto 42: Da parco eolico “Naso di Gatto”, AG 1 (2,5 km dal parco eolico)

PUNTO SU ZVI



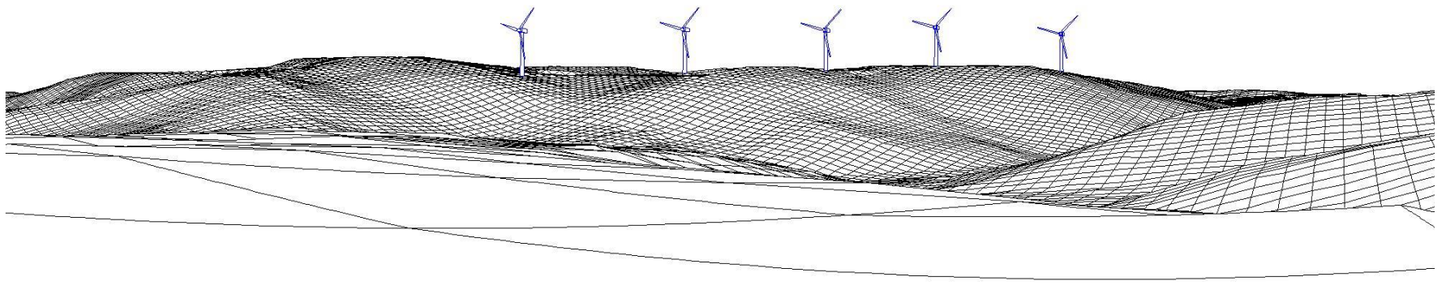
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

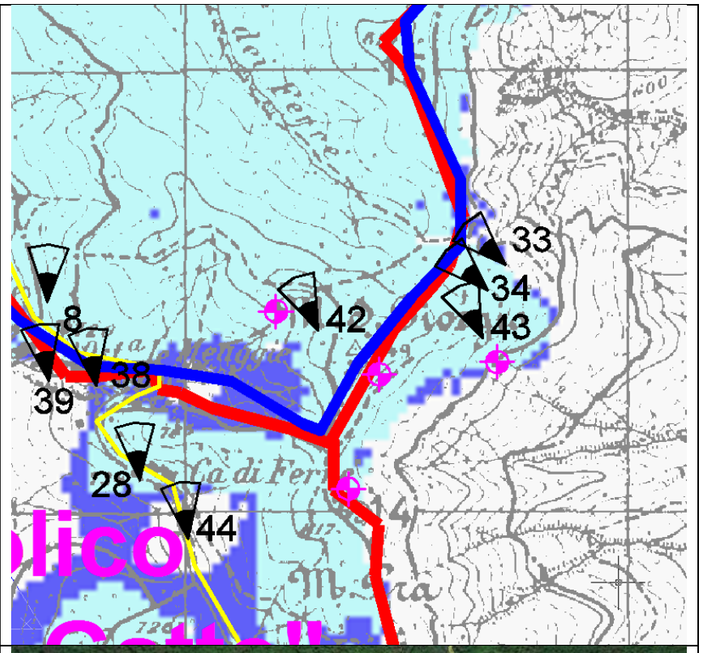


STATO DI PROGETTO

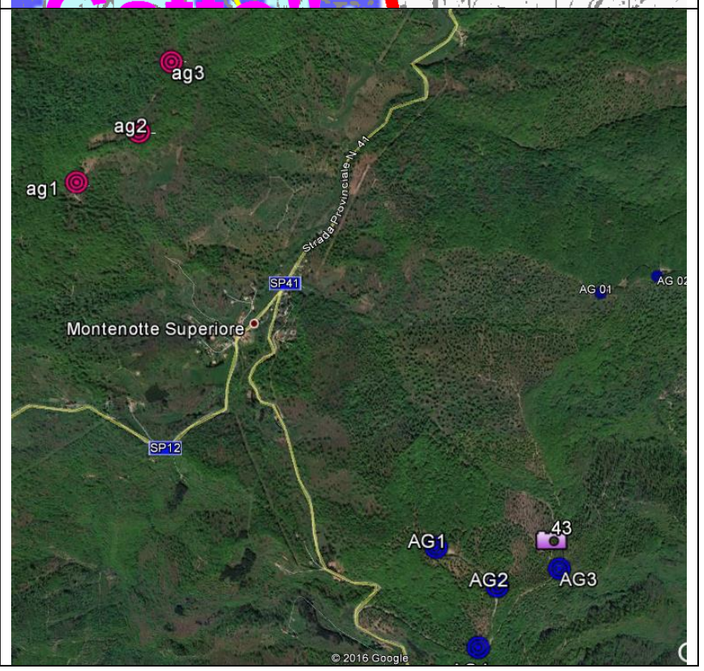


Punto 43: Da Parco eolico “Naso di Gatto”, AG 3 (2,5 km dal parco eolico)

PUNTO SU ZVI



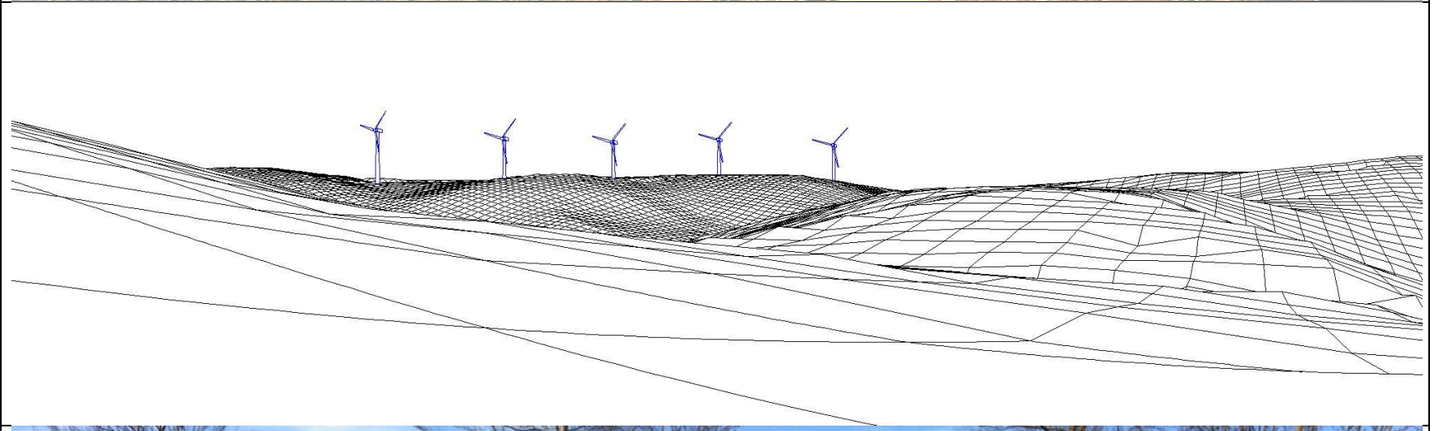
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D

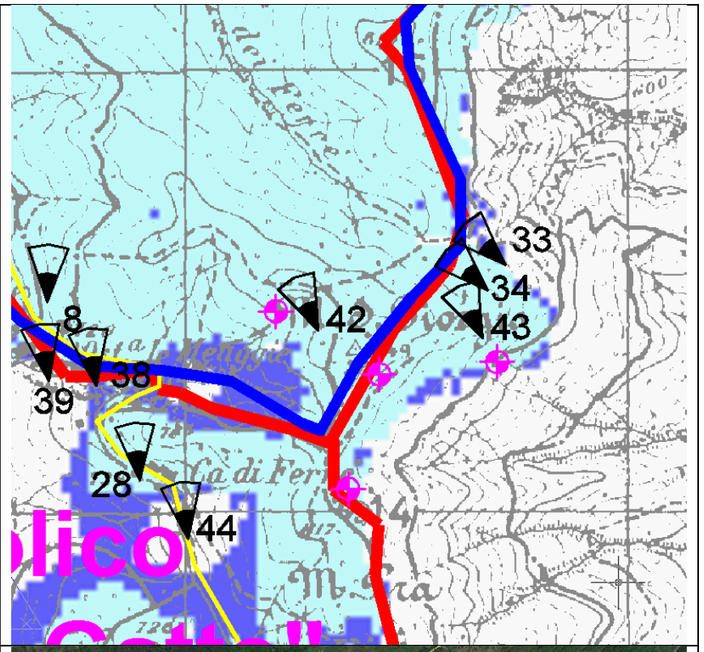


STATO DI PROGETTO

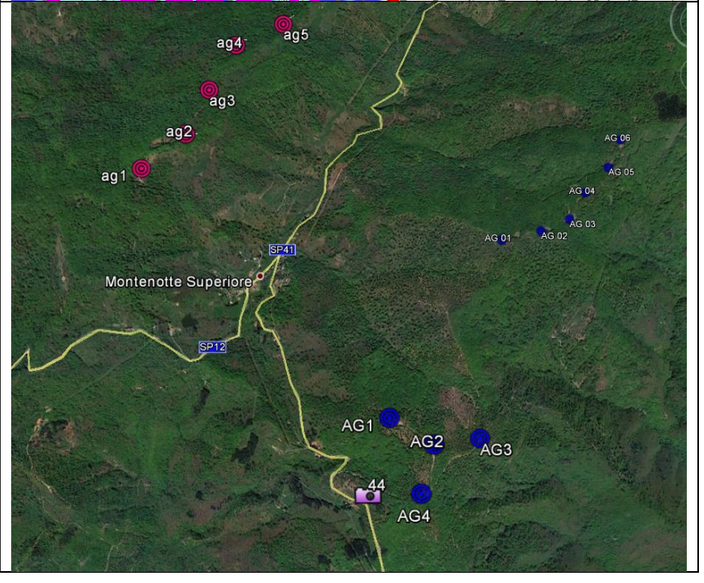


Punto 44: Da località Naso di Gatto, 2,5 km dal parco eolico

PUNTO SU ZVI



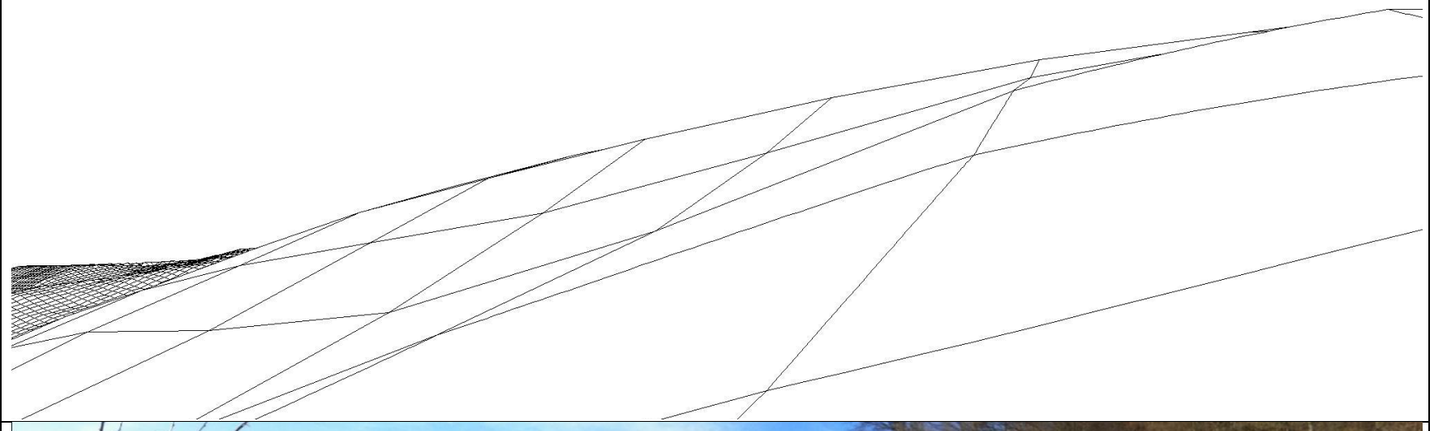
PUNTO SU ORTOFOTO 2D



STATO DI FATTO



GRIGLIA 3D



STATO DI PROGETTO

