



Engineering & Construction



GRE CODE

GRE.EEC.K.99.IT.W.09317.05.028.00

PAGE

1 di/of 1

TITLE:

AVAILABLE LANGUAGE: IT

# INTEGRALE RICOSTRUZIONE DELL' IMPIANTO EOLICO "GANGI", UBICATO NEL COMUNE DI GANGI (PA)

## PROGETTO DEFINITIVO

Allegato 3

di

Relazione studio vibrazionale

GRE.EEC.K.99.IT.W.09317.05.028.00

File: GRE.EEC.K.99.IT.W.09317.05.028.00- Rel vibrazionale Allegato 3 Misure.docx

REV.	DATE	DESCRIPTION	PREPARED	VERIFIED	APPROVED
00	06/12/2023	Prima emissione (Recepimento integrazioni MASE (richiesta 5.3))	L. Magni D.Irto	M. Sergenti	M. Sergenti

### GRE VALIDATION

	<i>F. Lenci</i>	<i>L. Iacofano</i>
COLLABORATORS	VERIFIED BY	VALIDATED BY

PROJECT / PLANT

Gangi

### GRE CODE

GROUP	FUNCTION	TYPE	ISSUER	COUNTRY	TEC	PLANT	SYSTEM	PROGRESSIVE	REVISION										
GRE	EEC	K	9	9	I	T	W	0	9	3	1	7	0	5	0	2	8	0	0

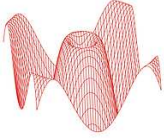
CLASSIFICATION

**PUBLIC**

UTILIZATION SCOPE

**BASIC DESIGN**

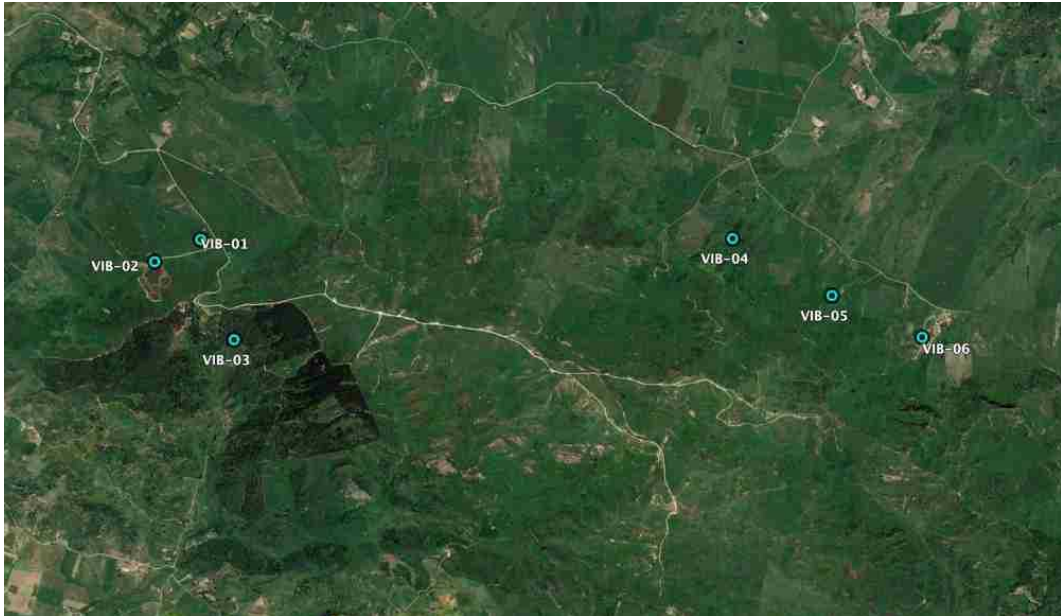
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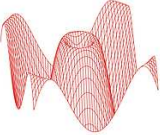



L.C.E. Srl  
Via dei Platani, 7/9  
Opera (MI)

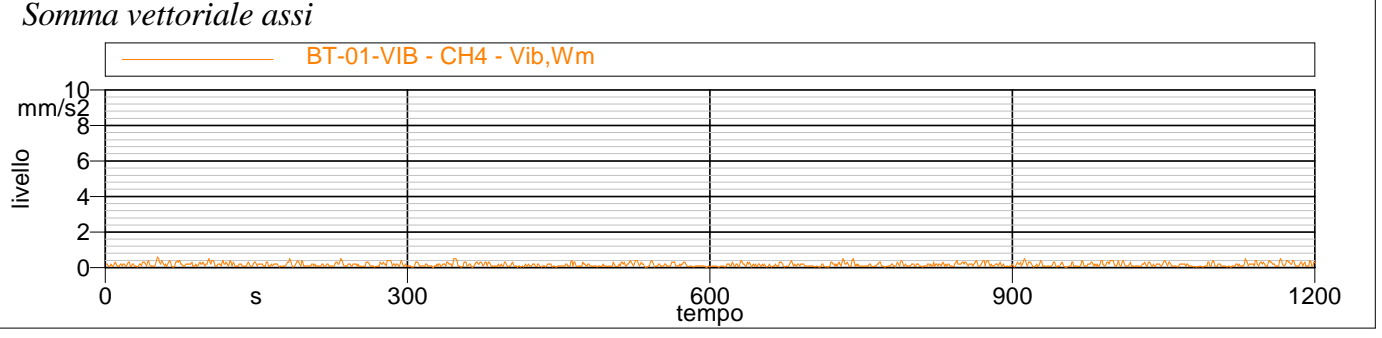
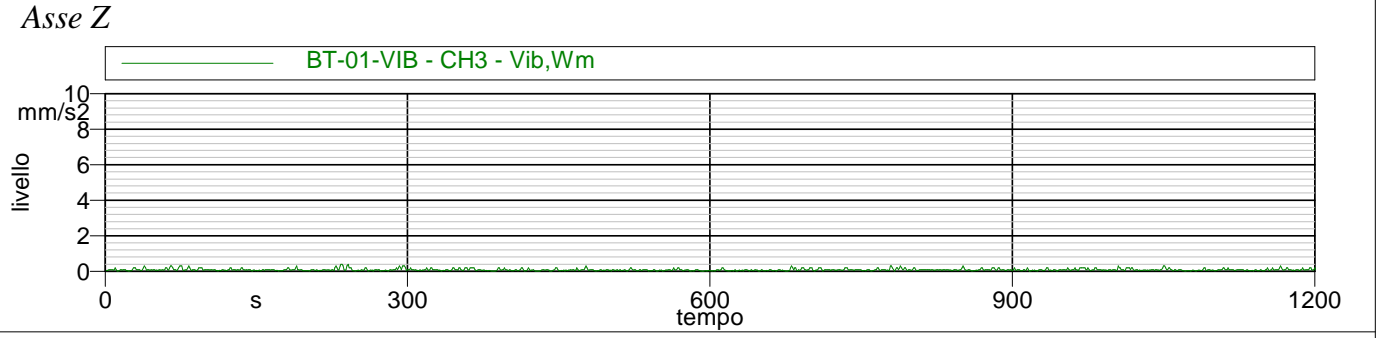
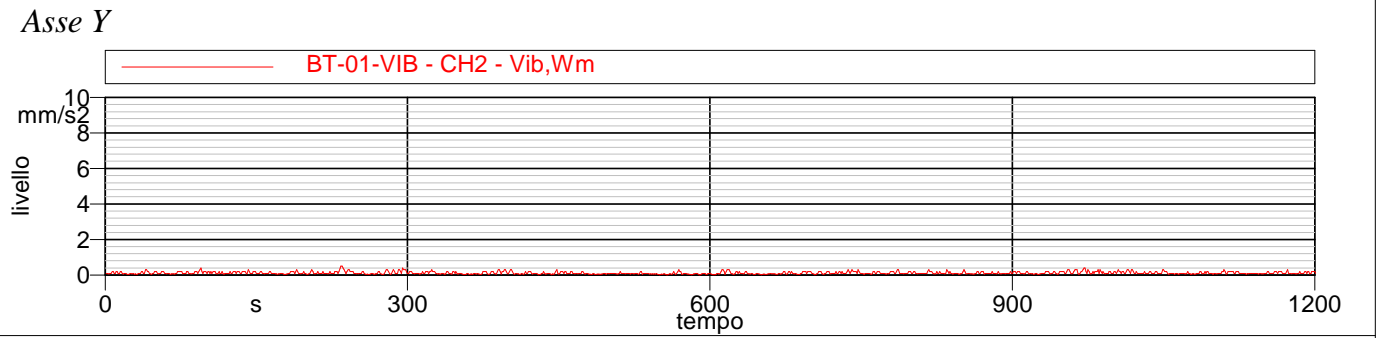
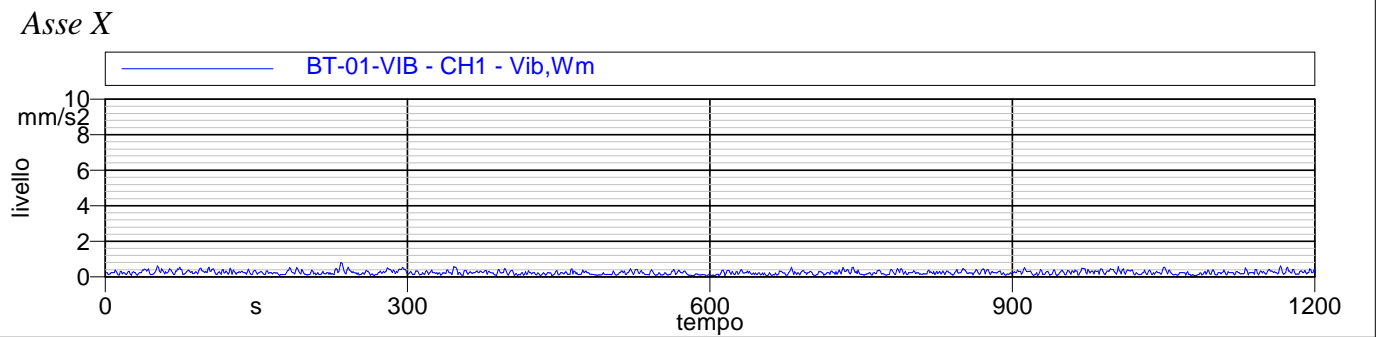
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<i>General Project/Progetto Generale</i> <i>Monitoraggio Ante Operam</i>		<i>Activity/Attività effettuata</i> <i>Misure di vibrazioni esterne</i>
<i>Date/Data: 01-02/12/2023</i>	<i>Revision/Revisione: 01.00</i>	<i>Location/Località: Gangi (PA)</i>
<i>Project Manager/Responsabile Progetto: SM</i>		<i>Sheet/Pagina: 1</i>

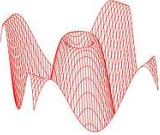
## *Misure vibrazionali a breve termine*




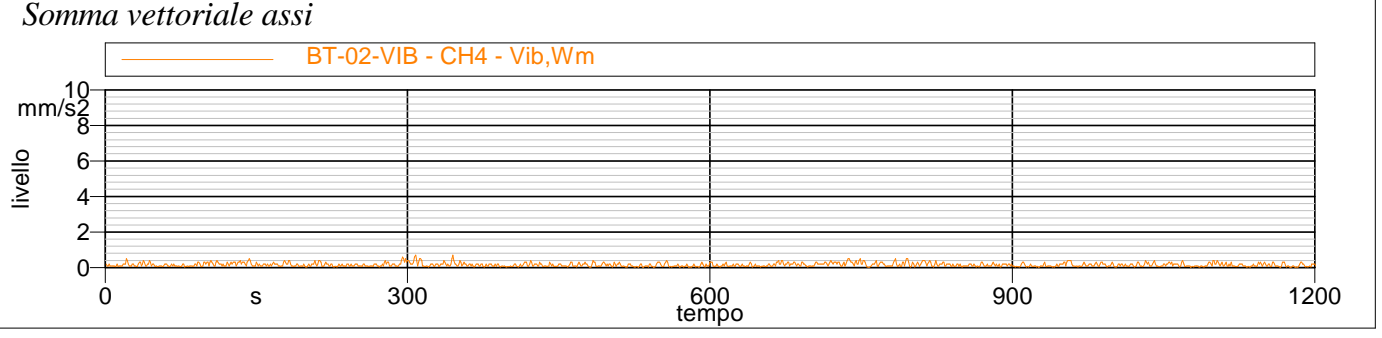
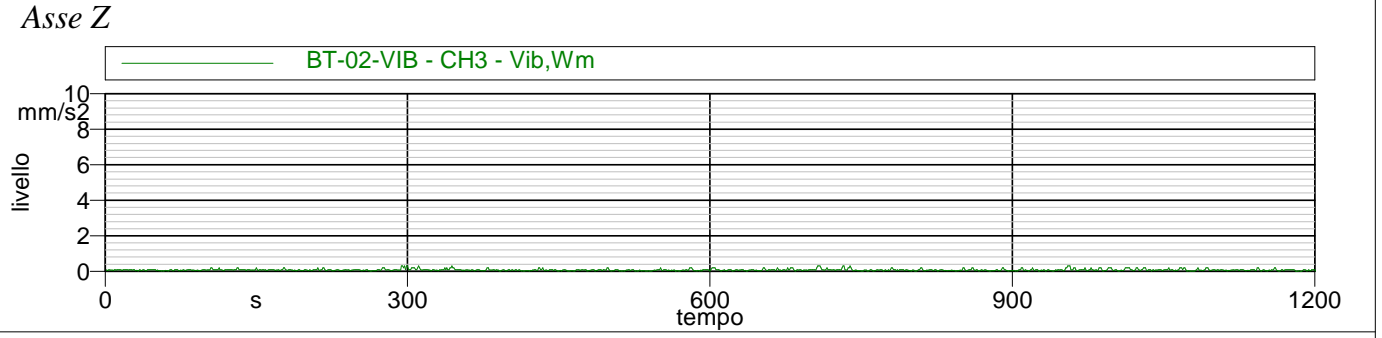
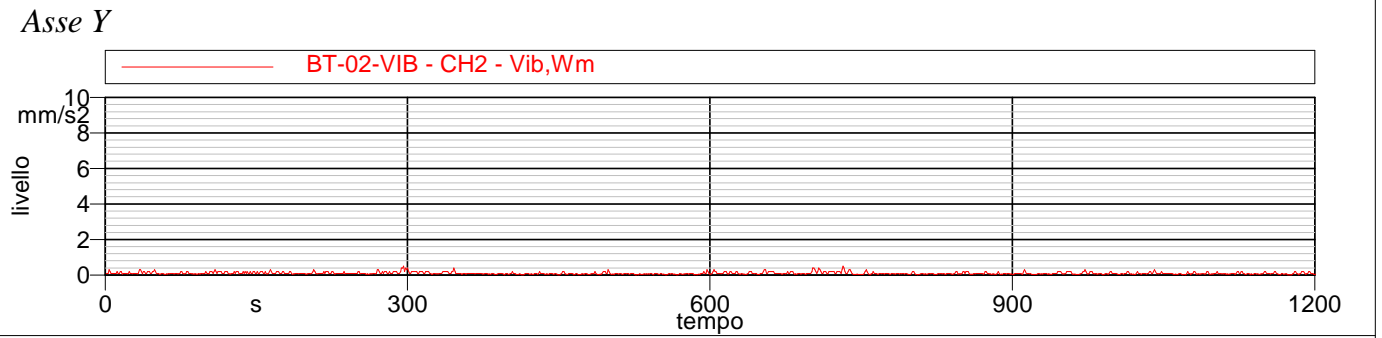
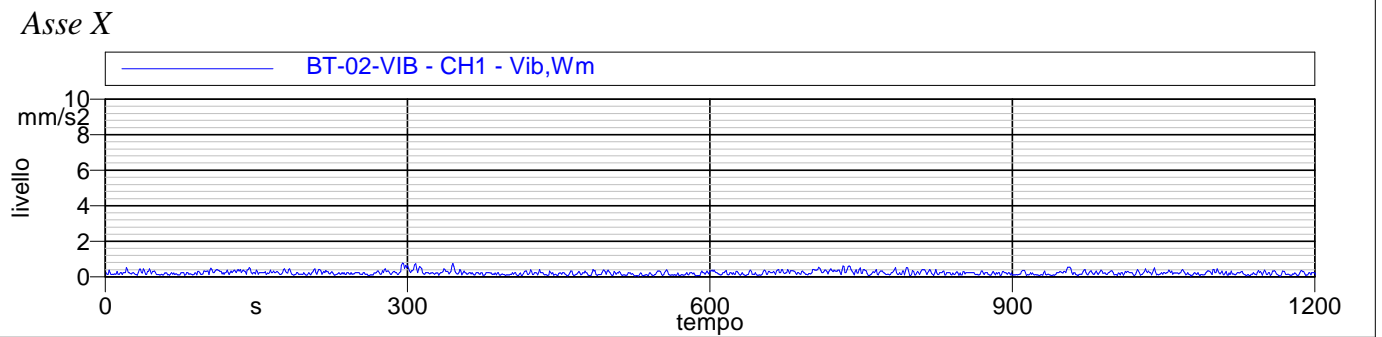
 <p>L.C.E. Srl Via dei Platani, 7/9 Opera (MI)</p>	<i>Customer/Committente</i> <i>Stantec SpA</i>		<i>Project Number/Numero Progetto</i> 23-0084
	<i>General Project/Progetto Generale</i> <i>Monitoraggio Ante Operam</i>		<i>Activity/Attività effettuata</i> <i>Misure di vibrazioni esterne</i>
	<i>Date/Data:</i> 01-02/12/2023	<i>Revision/Revisione:</i> 01.00	<i>Location/Località:</i> Gangi (PA)
	<i>Project Manager/Responsabile Progetto:</i> SM		<i>Sheet/Pagina:</i> 2

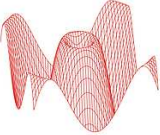
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$A_w, Y = 0.1 \text{ mm/s}^2$	
$A_w, Z = 0.1 \text{ mm/s}^2$	
$A_w, TOT = 0.2 \text{ mm/s}^2$	



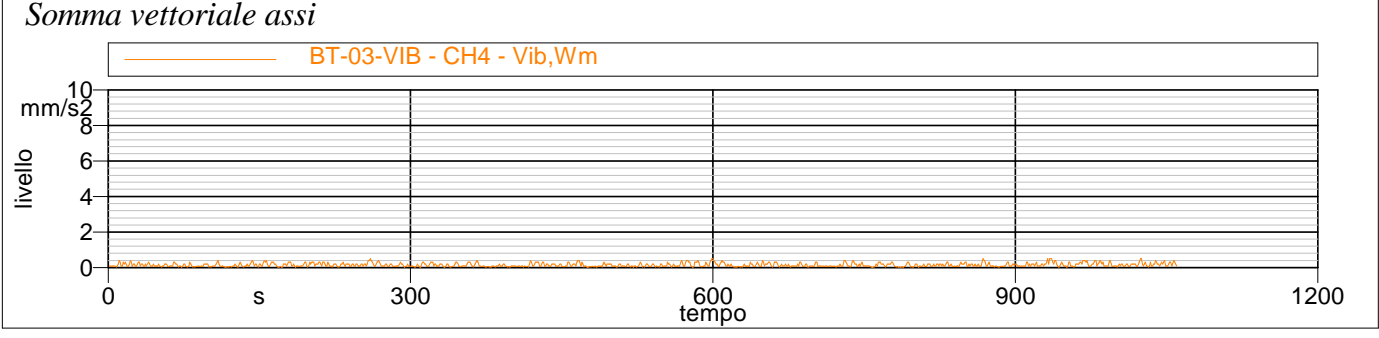
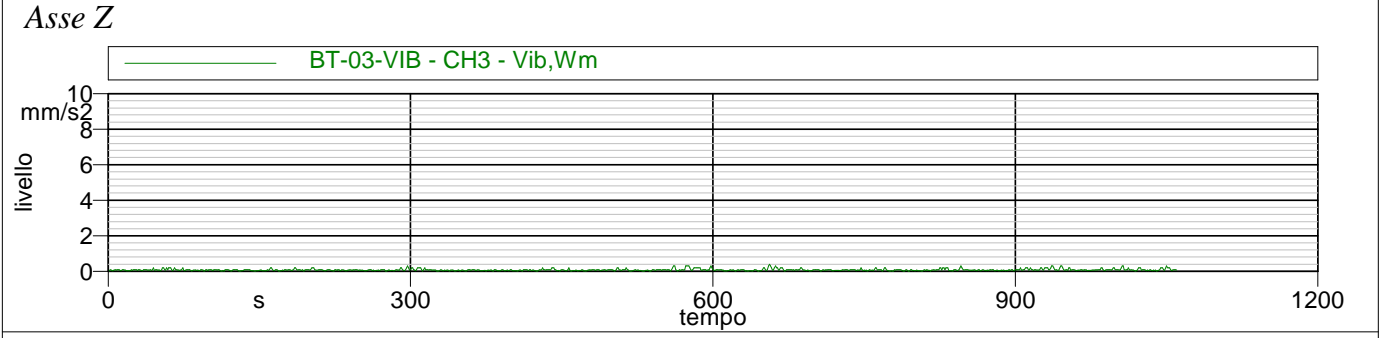
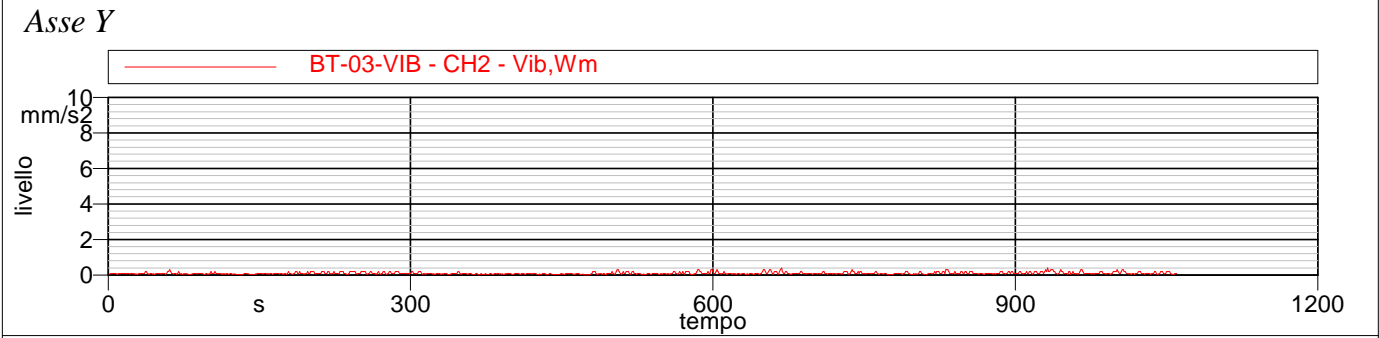
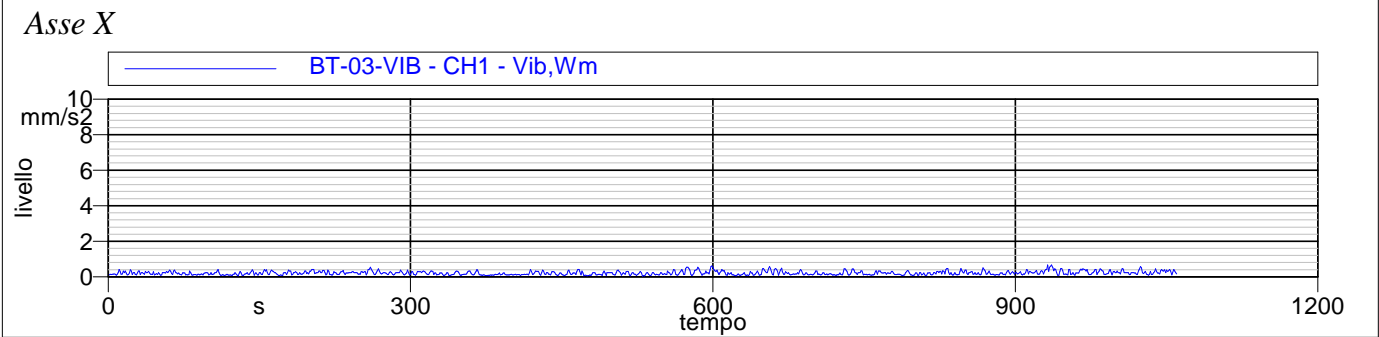
 <p>L.C.E. Srl Via dei Platani, 7/9 Opera (MI)</p>	<i>Customer/Committente</i> Stantec SpA		<i>Project Number/Numero Progetto</i> 23-0084
	<i>General Project/Progetto Generale</i> Monitoraggio Ante Operam		<i>Activity/Attività effettuata</i> Misure di vibrazioni esterne
	<i>Date/Data:</i> 01-02/12/2023	<i>Revision/Revisione:</i> 01.00	<i>Location/Località:</i> Gangi (PA)
	<i>Project Manager/Responsabile Progetto:</i> SM		<i>Sheet/Pagina:</i> 3

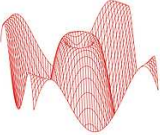
<b>BT-02-VIB</b>	
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$A_w, Y = 0.1 \text{ mm/s}^2$	
$A_w, Z = 0.1 \text{ mm/s}^2$	
$A_w, TOT = 0.2 \text{ mm/s}^2$	



 <p>L.C.E. Srl Via dei Platani, 7/9 Opera (MI)</p>	<i>Customer/Committente</i> Stantec SpA		<i>Project Number/Numero Progetto</i> 23-0084
	<i>General Project/Progetto Generale</i> Monitoraggio Ante Operam		<i>Activity/Attività effettuata</i> Misure di vibrazioni esterne
	<i>Date/Data:</i> 01-02/12/2023	<i>Revision/Revisione:</i> 01.00	<i>Location/Località:</i> Gangi (PA)
	<i>Project Manager/Responsabile Progetto:</i> SM		<i>Sheet/Pagina:</i> 4

<b>BT-03-VIB</b>	
$A_w, X = 0.2 \text{ mm/s}^2$	
$A_w, Y = 0.1 \text{ mm/s}^2$	
$A_w, Z = 0.1 \text{ mm/s}^2$	
$A_w, TOT = 0.2 \text{ mm/s}^2$	



 <p>L.C.E. Srl Via dei Platani, 7/9 Opera (MI)</p>	<i>Customer/Committente</i> <i>Stantec SpA</i>		<i>Project Number/Numero Progetto</i> 23-0084
	<i>General Project/Progetto Generale</i> <i>Monitoraggio Ante Operam</i>		<i>Activity/Attività effettuata</i> <i>Misure di vibrazioni esterne</i>
	<i>Date/Data:</i> 01-02/12/2023	<i>Revision/Revisione:</i> 01.00	<i>Location/Località:</i> Gangi (PA)
	<i>Project Manager/Responsabile Progetto:</i> SM		<i>Sheet/Pagina:</i> 5

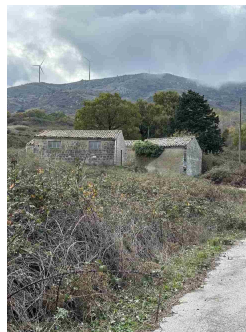
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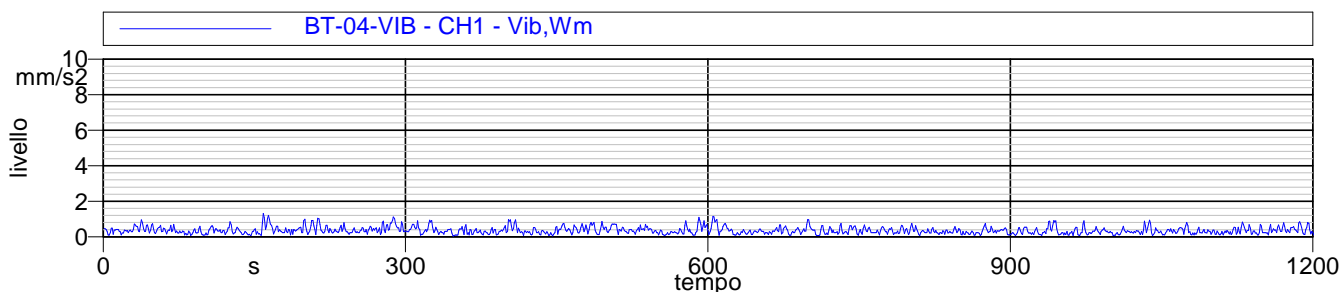
$$A_{w,Y} = 0.2 \text{ mm/s}^2$$

$$A_{w,Z} = 0.1 \text{ mm/s}^2$$

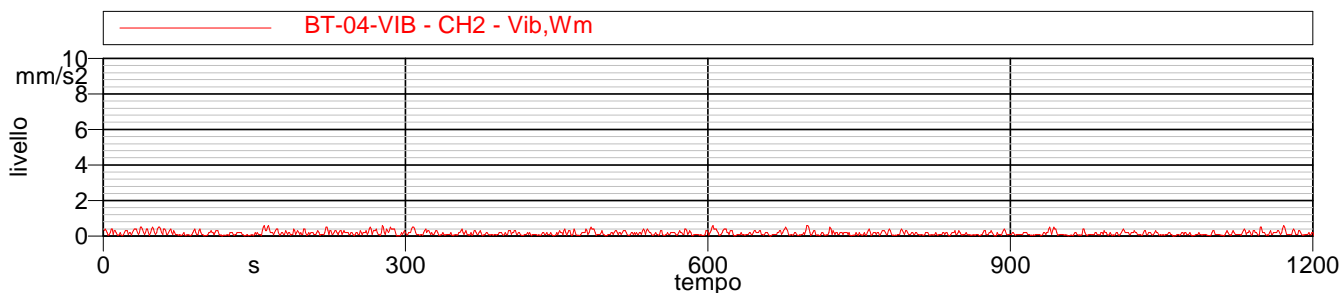
$$A_{w,TOT} = 0.3 \text{ mm/s}^2$$



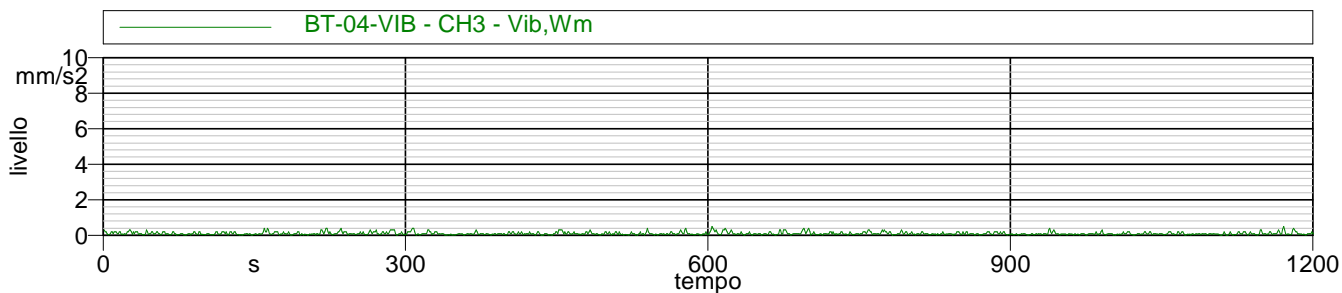
#### Asse X



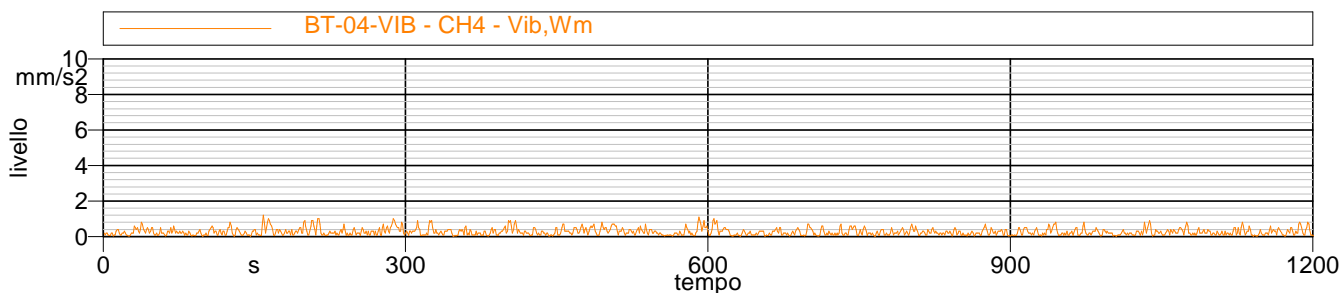
#### Asse Y

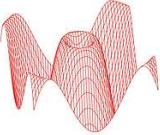


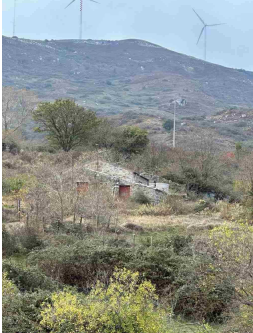
#### Asse Z

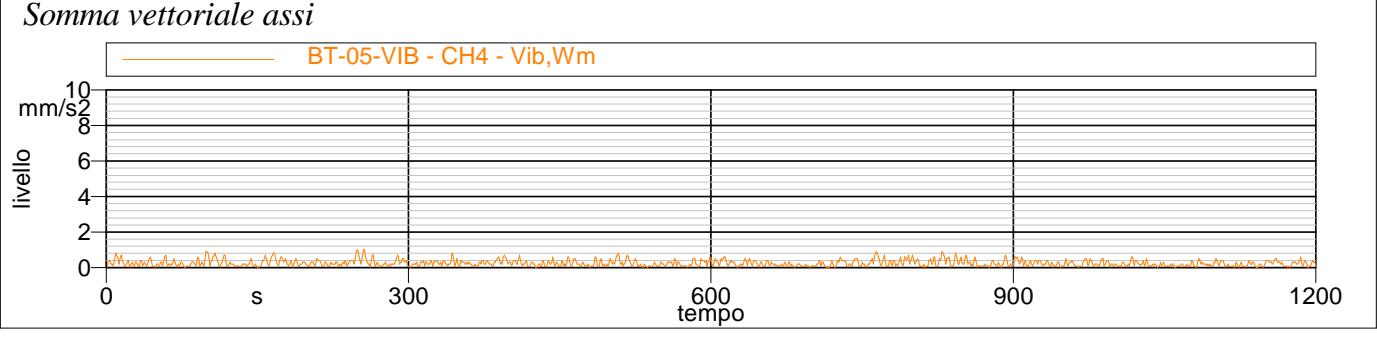
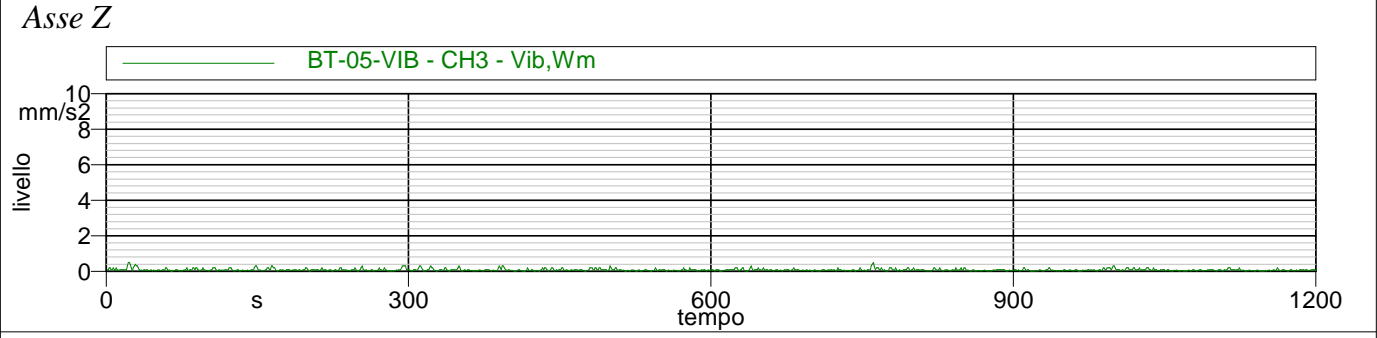
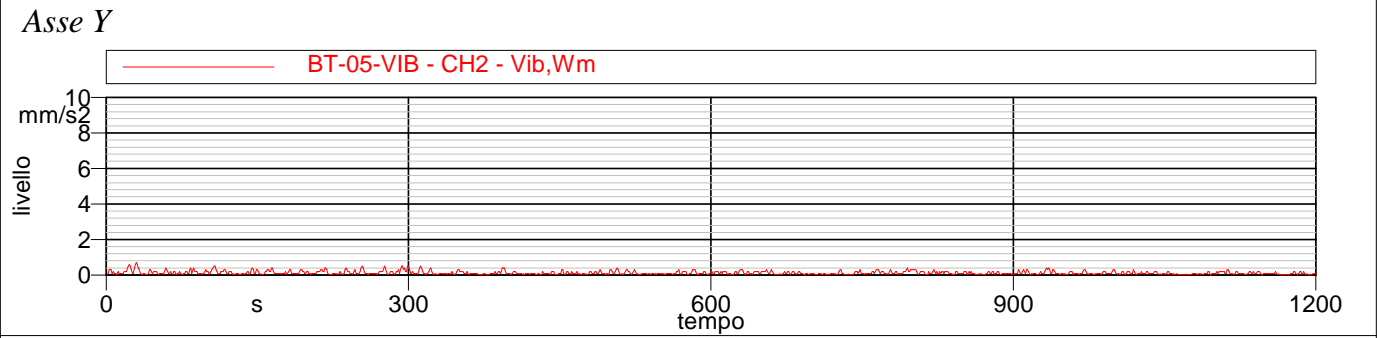
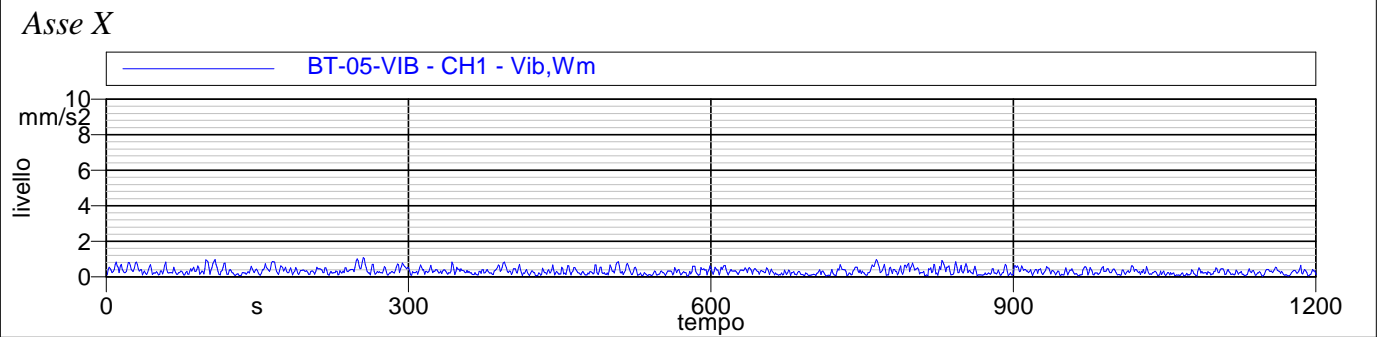


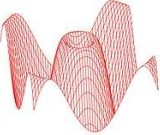
#### Somma vettoriale assi




 <p>L.C.E. Srl Via dei Platani, 7/9 Opera (MI)</p>	<i>Customer/Committente</i> <i>Stantec SpA</i>		<i>Project Number/Numero Progetto</i> 23-0084
	<i>General Project/Progetto Generale</i> <i>Monitoraggio Ante Operam</i>		<i>Activity/Attività effettuata</i> <i>Misure di vibrazioni esterne</i>
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	<i>Project Manager/Responsabile Progetto:</i> SM		<i>Sheet/Pagina:</i> 6

<b>BT-05-VIB</b>	
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$A_w, Y = 0.2 \text{ mm/s}^2$	
$A_w, Z = 0.1 \text{ mm/s}^2$	
$A_w, TOT = 0.3 \text{ mm/s}^2$	



 <p>L.C.E. Srl Via dei Platani, 7/9 Opera (MI)</p>	<i>Customer/Committente</i> <i>Stantec SpA</i>		<i>Project Number/Numero Progetto</i> 23-0084
	<i>General Project/Progetto Generale</i> <i>Monitoraggio Ante Operam</i>		<i>Activity/Attività effettuata</i> <i>Misure di vibrazioni esterne</i>
	<i>Date/Data:</i> 01-02/12/2023	<i>Revision/Revisione:</i> 01.00	<i>Location/Località:</i> Gangi (PA)
	<i>Project Manager/Responsabile Progetto:</i> SM		<i>Sheet/Pagina:</i> 7

<b>BT-06-VIB</b>	
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$A_w, Y = 0.2 \text{ mm/s}^2$	
$A_w, Z = 0.1 \text{ mm/s}^2$	
$A_w, TOT = 0.3 \text{ mm/s}^2$	

