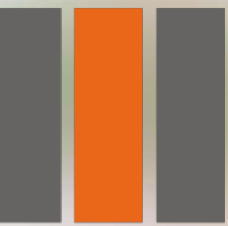


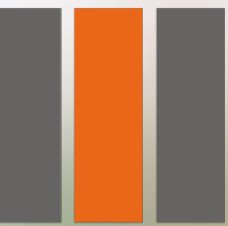


MARVINACUSTICA
PRODOTTI E SISTEMI PER L'ISOLAMENTO ACUSTICO



THE COMPANY

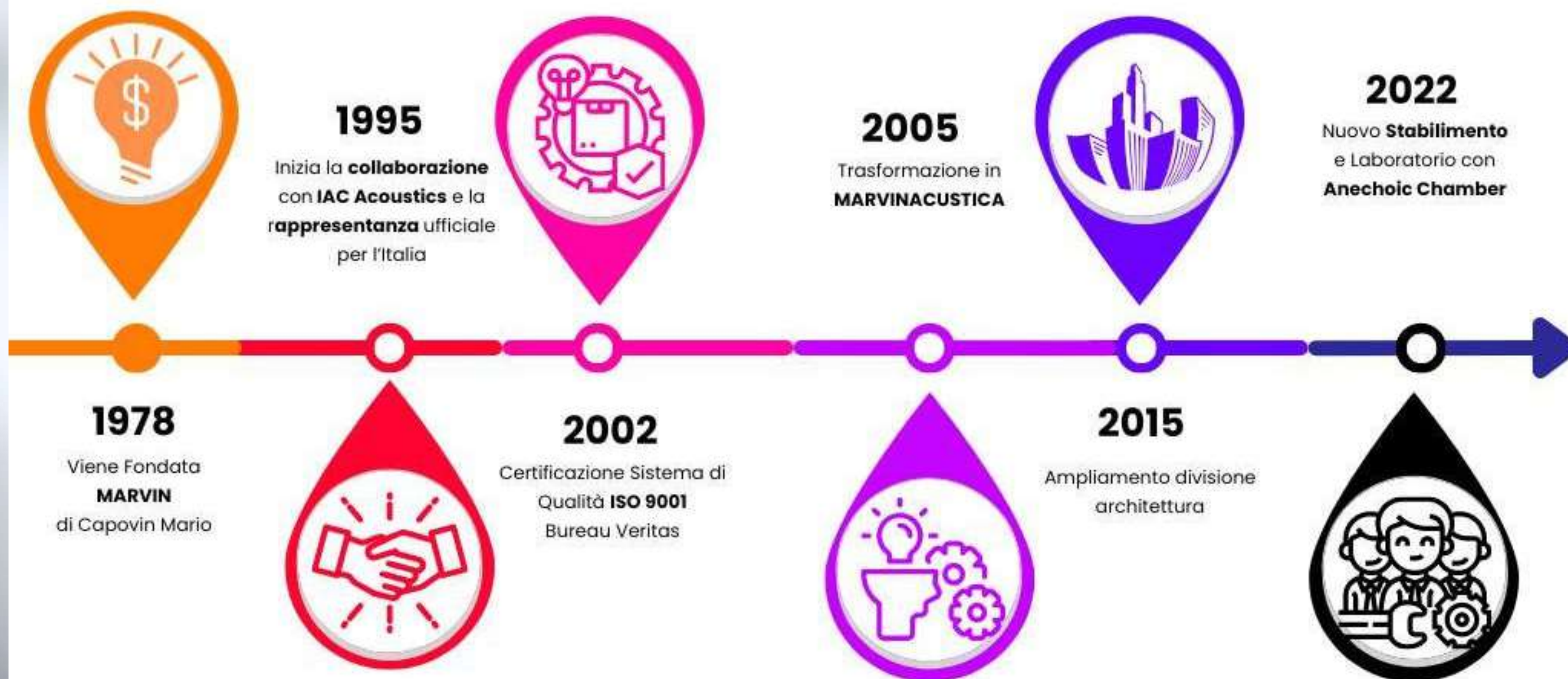
MARVINACUSTICA has over 45 years of experience in industrial and civil soundproofing. We offer the best solutions in noise problems. Our technicians know the needs of each customers. We can offer every kind of solutions: from large soundproof cabins to environmental soundproofing treatments and silencers.



WHAT WE DO

First we MEASURE the noise with high precision instruments; afterwards we STUDY THE SOLUTION, and finally the goal is reached with the DESIGN AND MANUFACTURING of acoustic systems.







Aero Engine Test Facility

Music Studio

Jet Blast Protection

Commercial Building

IAC Acoustics Group HQ

Theatre

Hospital

Highways

OEM Test Facility

Manufacturing Facility

Automotive Test Facility

Water Treatment

Data Centre

Shipping

Power Distribution

School

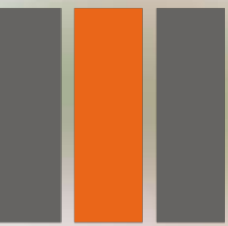
University

Railway

Mining Facility

CHP Plant

MARVINACUSTICA HEADQUARTER



Application



Architecture

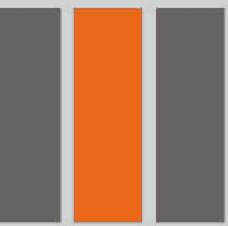
Acoustic consultancy

Sound-absorbing treatments: innovative, environmental sound-absorbing treatments and products aimed at reducing internal reverberation. Sound-absorbing ceiling panels, wall panels, freestanding floor panels, desk separators.

Acoustic doors and windows: high-performance acoustic doors and glazing, the best performing on the market.

Acoustic Louvres: curved or linear profile acoustic louvres reduce noise pollution from cooling towers, boiler rooms and air handling systems in all types of buildings, including power stations, chemical treatment plants and offshore applications.

Silencers for HVAC (Heating, Ventilation and Air Conditioning) systems: rectangular and cylindrical duct silencers provide effective noise attenuation.



Application



Industrial

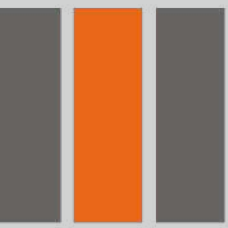
Acoustic consultancy

Soundproofing Cabins: standard and customized, they guarantee high acoustic performance and ease of use.

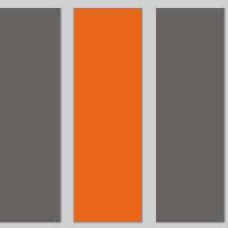
Silencers, Soundproofing Louvres and Barriers: different types of absorbing and reactive silencers, soundproofing barriers and soundproofing louvres, guarantee high acoustic standards.

Anechoic and semi-anechoic chambers: acoustic test chambers, where the feeling of a free field is recreated, i.e. the absence of reflections or reverberations.

Sound-absorbing treatments: innovative, environmental sound-absorbing treatments and products aimed at reducing internal reverberation. Sound-absorbing ceiling panels, wall panels, freestanding floor panels, desk separators.



Application



Fields of application

- Medical
 - Aviation and Automotive
 - TV-Radio-Media
- Military
 - Community venues, churches, multi-purpose halls, etc.

INTERNAL ACOUSTIC LAB

MARVINACUSTICA acoustic lab was created to perform insulation, sound absorption and noise tests on products and materials in an innovative 4.0 reality.

Composed of:

01

Two reverberation chambers

to perform tests according to standards UNI EN ISO 10140-2:2021; UNI EN ISO 3741:2010 and ISO 354:2003.

02

A semi-anechoic chamber

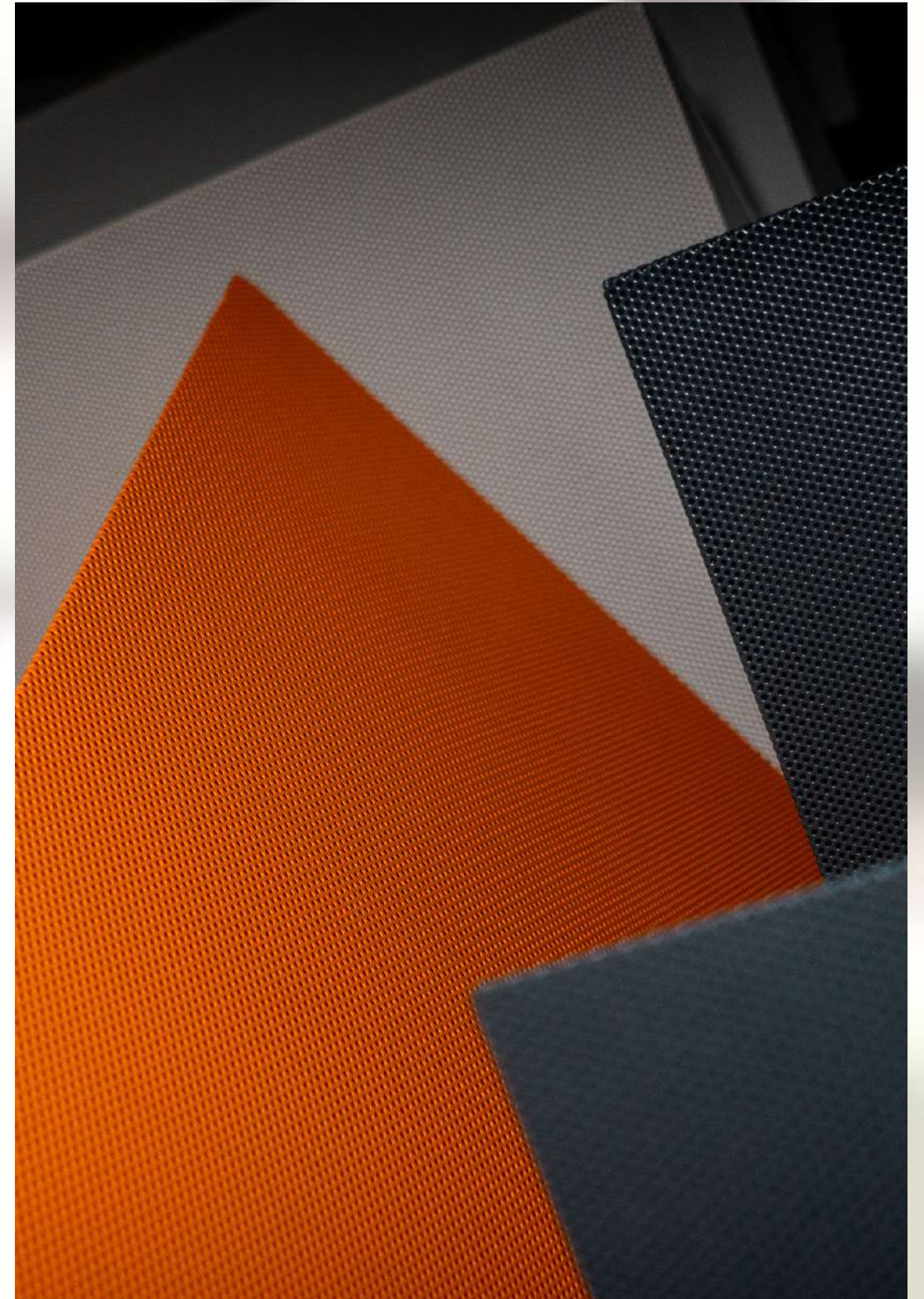
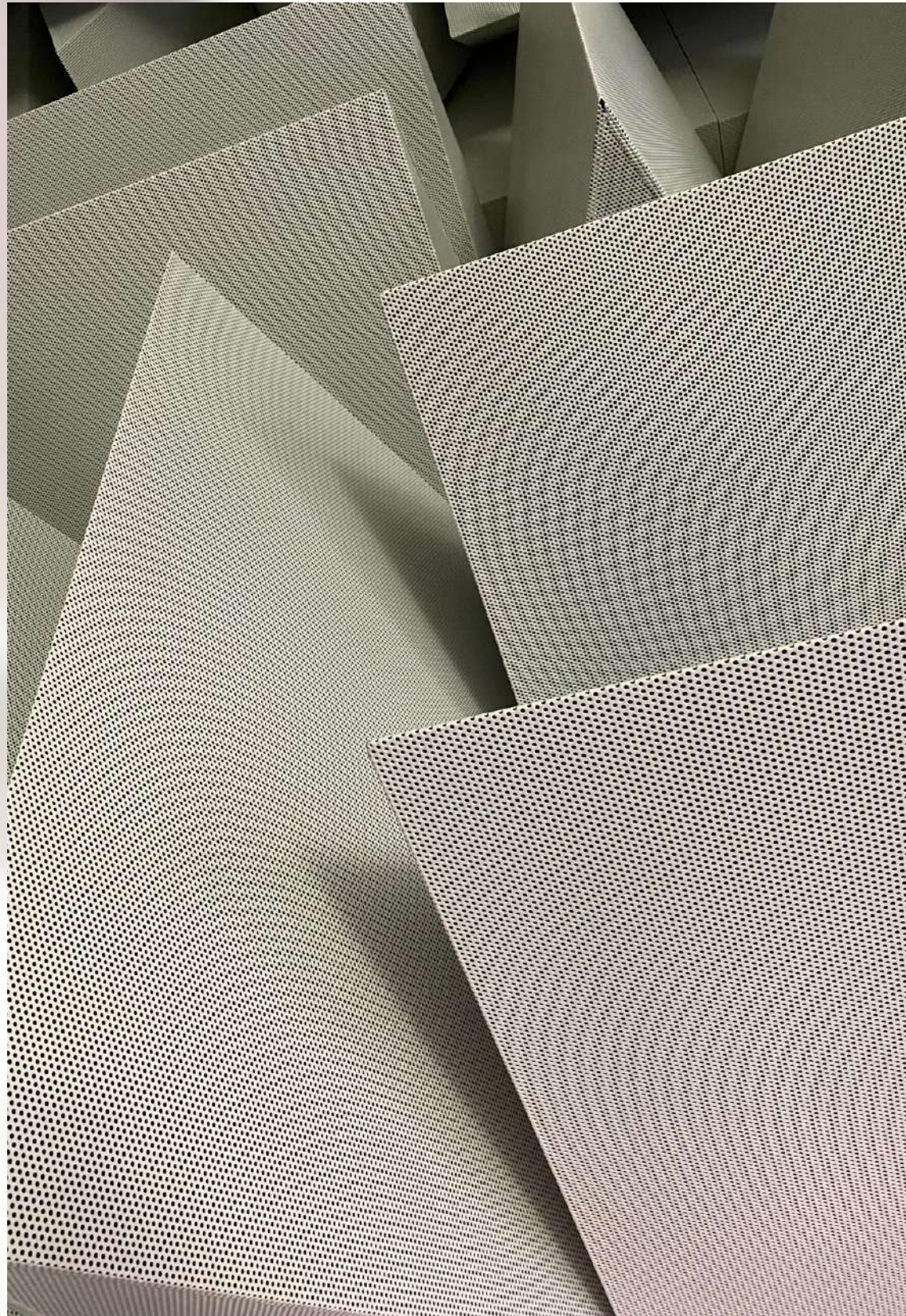
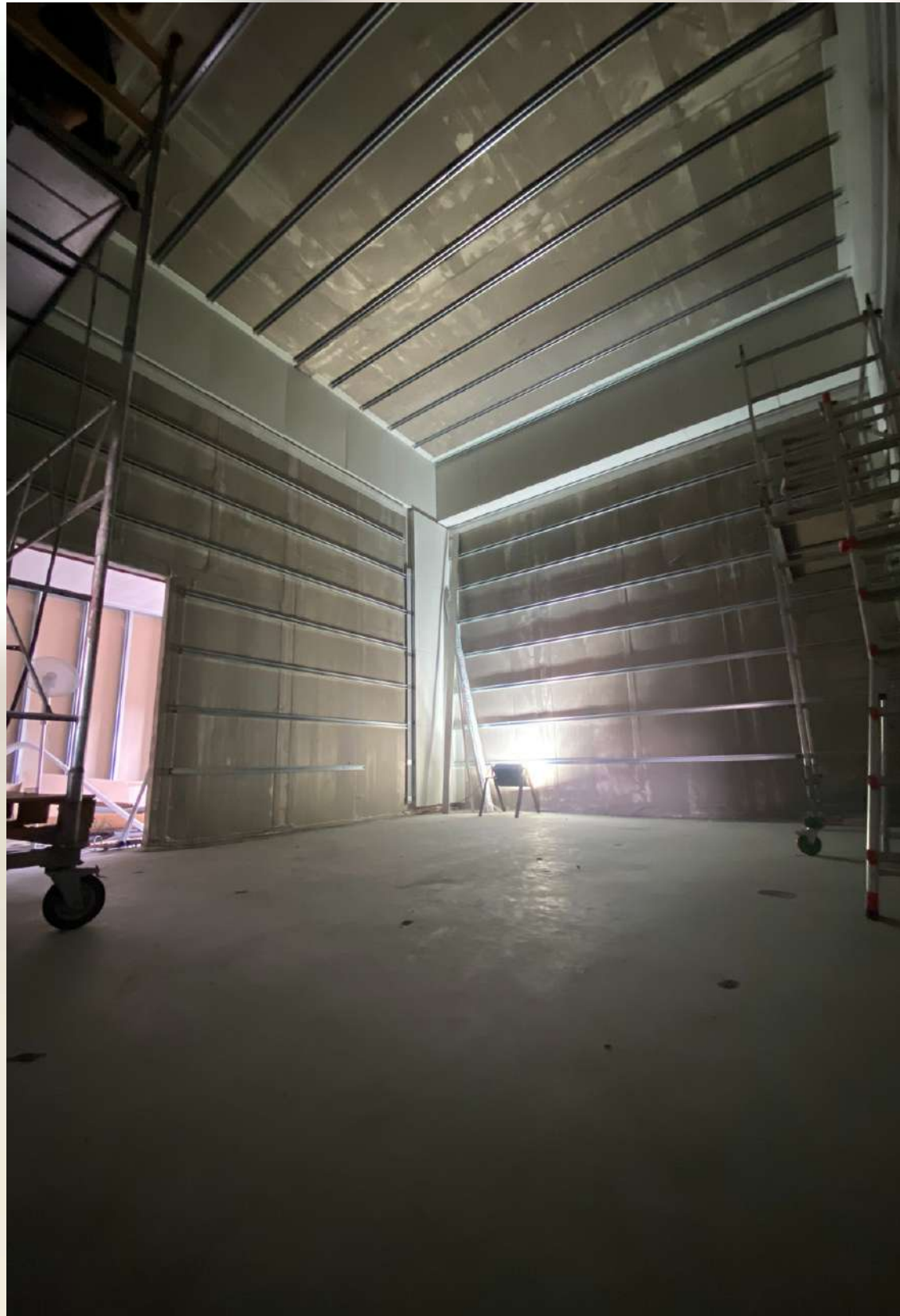
with electromagnetic shielding to perform tests according to standards UNI EN ISO 3745:2017; UNI EN ISO 9614-1:2009 and UNI EN ISO 9614-2:1998.

03

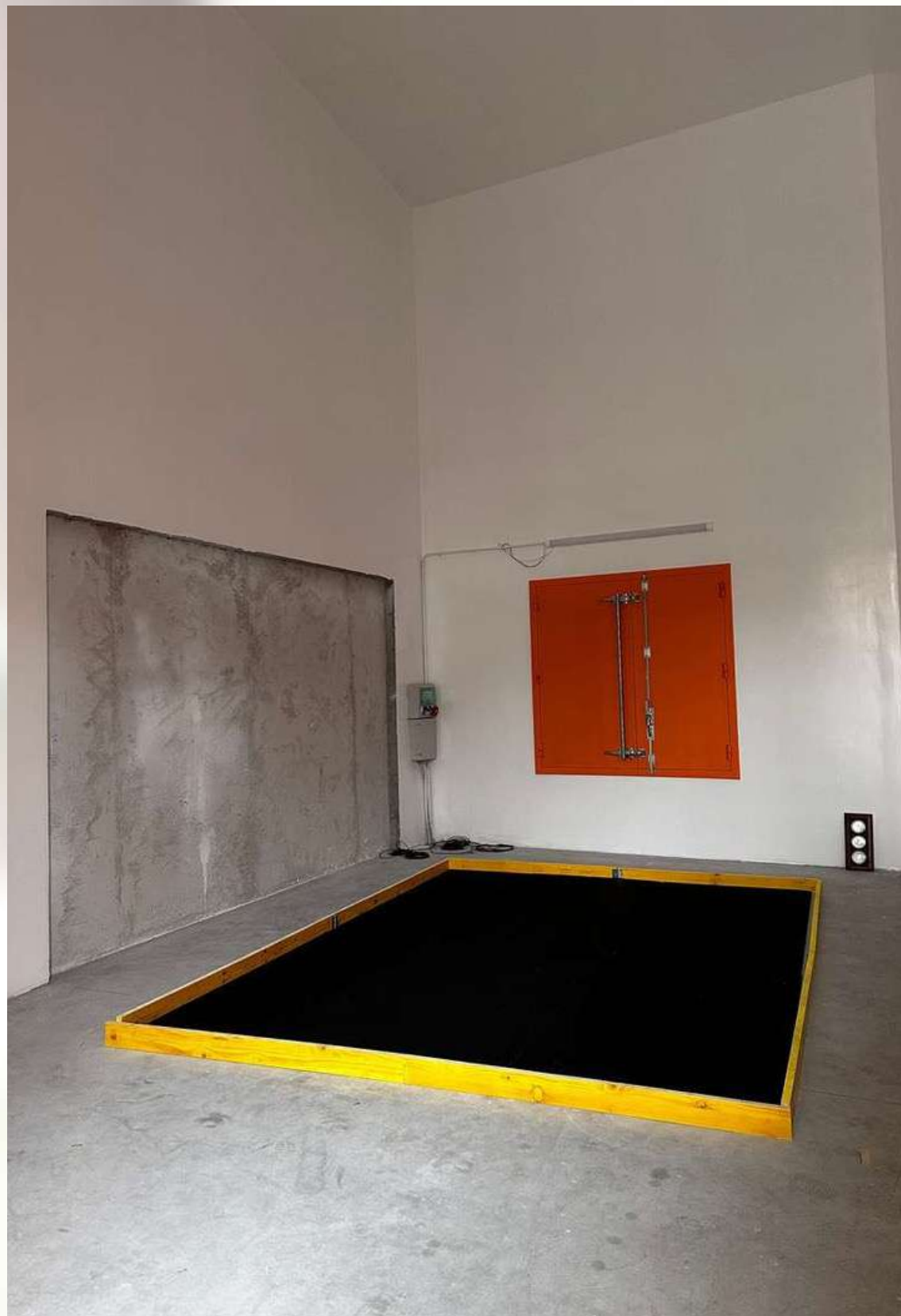
An impedance pipe

to perform tests according to standards UNI EN ISO 10534- 2:2001 and UNI EN ISO 10534- 1:2001.

INTERNAL ACOUSTIC LAB



INTERNAL ACOUSTIC LAB

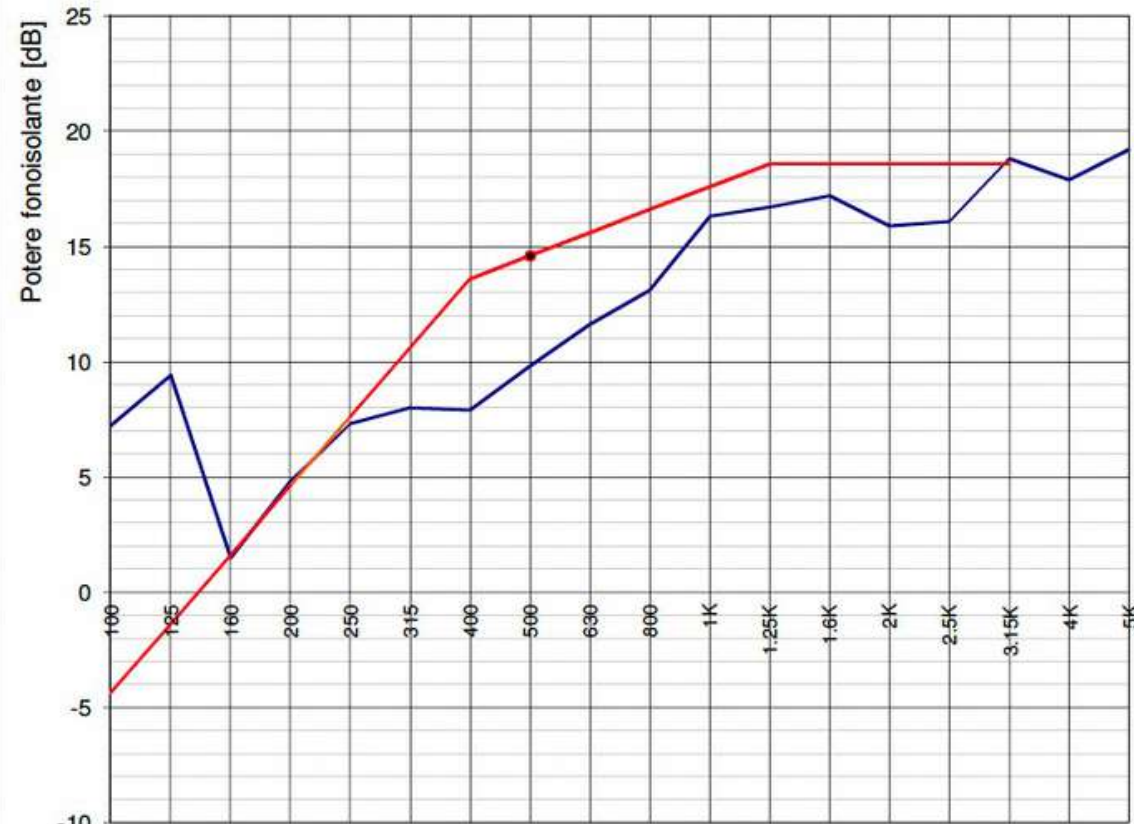


INTERNAL ACOUSTIC LAB



Acoustic and vibration tests performed in the laboratory

Marvin Acustica		Laboratorio prove acustiche e di vibrazioni		pag. 1/2	
Indice di valutazione del potere fonoisolante R_w					
secondo UNI EN ISO 15186-1:2003 e UNI EN ISO 717-1:2013					
Prova n° 4		eseguita il <u>27/02/2016</u>		da: Ing. Celin Mirco	
Caratteristiche del pannello: Griglia sp100 alluminio					
(Lato sorgente)					
Composizione: _____					

Spessore: 100,0 [mm]		Note:			
Area: 0,99 [m²]					
Peso per m²: 16,5 [kg/m²]					
Frequenza [Hz]		Ri [dB]			
100		7,2			
125		9,4			
160		1,5			
200		4,8			
250		7,3			
315		8,0			
400		7,9			
500		9,8			
630		11,6			
800		13,1			
1K		16,3			
1.25K		16,7			
1.6K		17,2			
2K		15,9			
2.5K		16,1			
3.15K		18,8			
4K		17,9			
5K		19,2			
Rw =					
15(-1;-3) dB					

Marvin Acustica

Laboratorio prove acustiche e di vibrazioni

pag. 2/2

Indice di valutazione del potere fonoisolante R_w

secondo UNI EN ISO 15186-1:2003 e UNI EN ISO 717-1:2013

Caratteristiche del laboratorio di prova

Camera sorgente:	Riverberante, con due specchi acustici
	Volume: 10,3 m ³
Camera ricevente:	Pareti rivestite di materiale fonoassorbente
	Volume netto: 8,7 m ³
Apertura di prova:	Area: 0,99 m ²
	Spessore: 300 [mm]
Sonda intensimetrica:	Marca: Larson & Davis - Modello: 2260
	Spaziatore: 25 mm - ϕ microfoni: 1/2"
Microfono di pressione:	Larson & Davis da 1/2"
Analizzatori di spettro:	Larson & Davis mod. 3200 e mod. 2900B
Amplificatore di potenza:	Marca: Outline - Modello: EX 1500
Equalizzatore parametrico:	Marca: Outline - Modello: EP 30 M
Cassa Acustica	Marca: Outline - Modello: DIGITA PLUS
Segnale sorgente:	Rumore rosa

Condizioni di prova

Pressione atmosferica:	1013,0	[mbar]
Temperatura:	20,0	[°C]
Distanza sonda-pannello:	250 [mm]	(dal centro dello spaziatore)
Distanza microfono-pannello:	150	[mm]

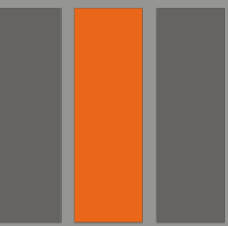


MARVINACUSTICA

PRODOTTI E SISTEMI PER L'ISOLAMENTO ACUSTICO

Acoustic and vibration tests performed in the laboratory





Projects



SCIENCE GATEWAY CERN Geneva

RPBW – Renzo Piano
Building Workshop

MARVINACUSTICA was contacted by the architecture firm RPBW - Renzo Piano Building Workshop, for the design and realization of the acoustic cladding of the new auditorium as part of the Science Gateway project at CERN in Geneva.

The analysis of the project's interior acoustics was carried out by MÜLLER- BBM, who decided to introduce 139 sound-absorbing and 52 reflective modules.

Afterwards, we defined the dimensions and finishes of the panels to be realized, which were made of recycled polyester fibre covered with aluminium sheet metal micro-perforated or solid, with an external finish in sound-translucent fabric.

The mock-ups passed the numerous acoustic and aesthetic tests required. The final step consisted in the installation, carried out by our qualified technicians.

CERN SCIENCE GATEWAY – GENEVA



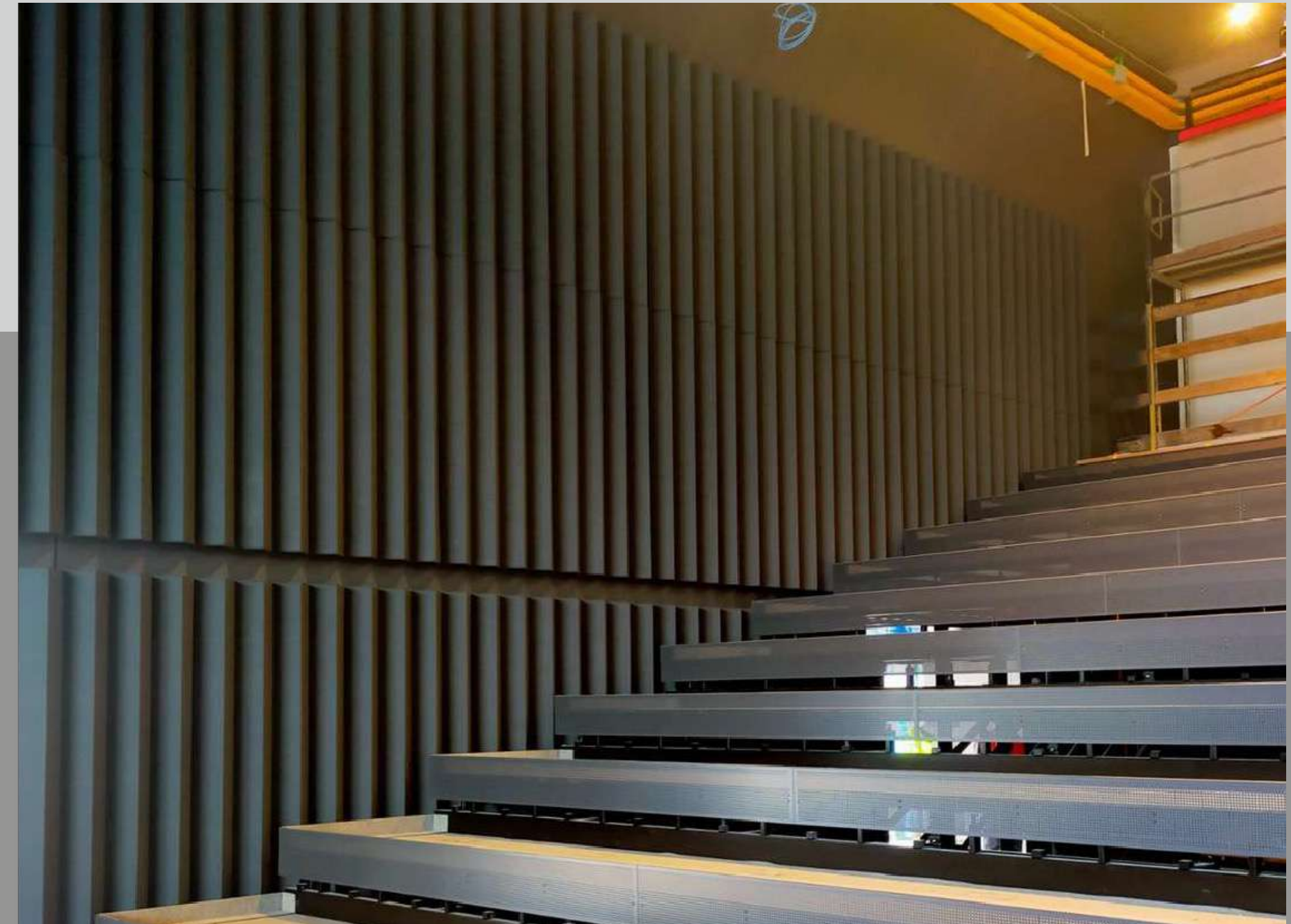
SITE SURVEY



ON SITE INSTALLATION

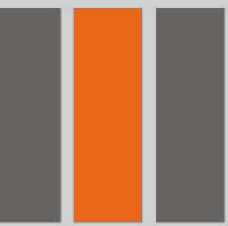


CERN SCIENCE GATEWAY – GENEVA



CERN SCIENCE GATEWAY – GENEVA





WATERFRONT GENOA LEVANTE

RPBW – Renzo Piano
Building Workshop

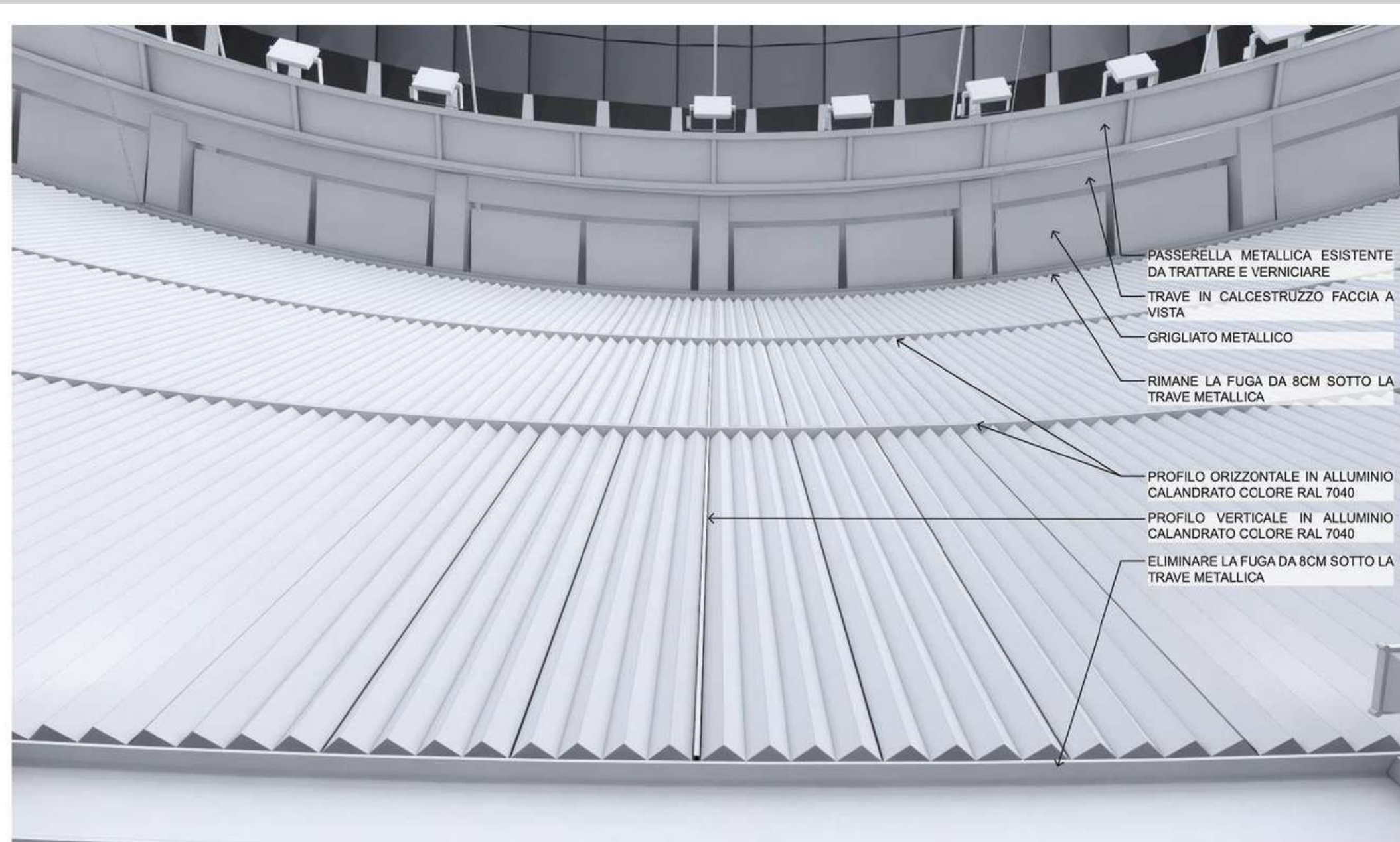
MARVINACUSTICA was contacted by RPBW – Renzo Piano Building Workshop, for the design and realization of the acoustic cladding of the new Palasport Waterfront Genova Levante.

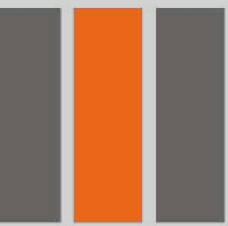
Marvinacustica carried out acoustic simulations with its own Acoustics Engineers in order to propose a solution that was both performing and aesthetically in line with the project's requirements.

The acoustic simulations and the proposed solution were endorsed by the US firm HMBA - Harvey Marshall Berling Associates, which was appointed as the acoustic consultant for the project.

The dimensions and finish of the panels to be realized were defined, consisting of polyester fibre covered with micro-perforated aluminium sheet, with internal cladding colour and external finish in RAL colour. These details were established following numerous mock-ups and related acoustic, aesthetic and video projection tests. 1008 sound-absorbing modules are planned for a total sound-absorbing surface area of approximately 1800 square metres. The installation phase is also carried out by the specialized Marvinacustica staff.

WATERFRONT LEVANTE – GENOA





LONDON WALL PLACE London City

Permasteelisa Group –
Make Architects

MARVINACUSTICA was contacted by Permasteelisa Group for the project London Wall Place – London City designed by Make Architects.

The supply included approximately 500 square metres of Acoustic Louvres in 300 mm thickness to shield the air handling systems placed on the roof. The louvres were made of aluminium and subsequently anodised with a special finish. One of the special features: two motorised acoustic doors were designed and produced with a perimeter frame and acoustic grilles. In order to give continuity to the façade, the ceramic decorative parts were fitted as for the rest of the building.

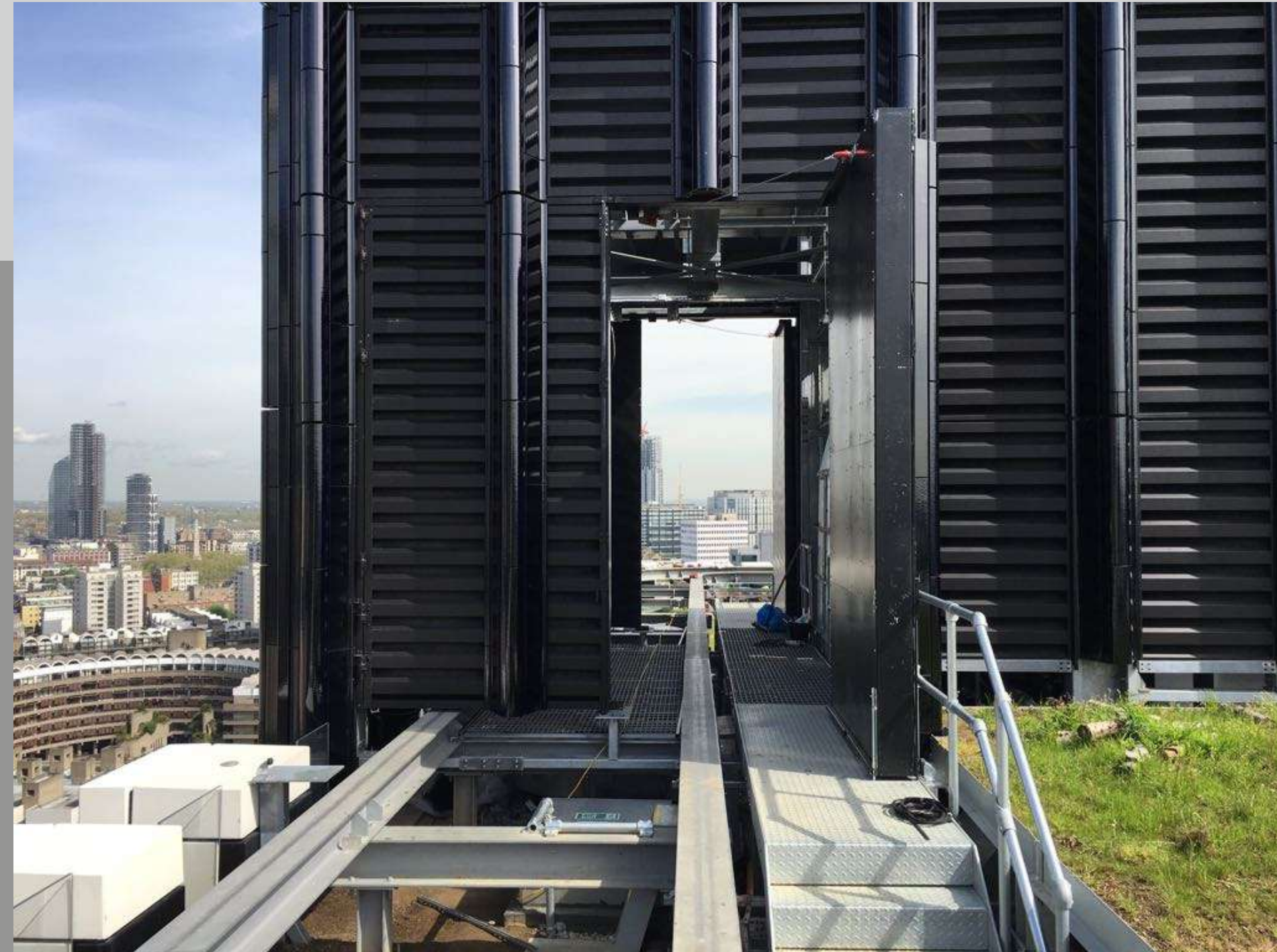
LONDON WALL PLACE – LONDON CITY

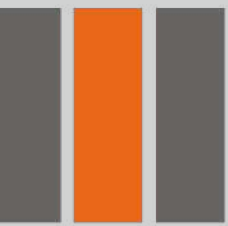


LONDON WALL PLACE – LONDON CITY



LONDON WALL PLACE – LONDON CITY





CANOSSA PALACE Mantua

Architect
Massimiliano Fuksas

MARVINACUSTICA was contacted by General Contractor Bottoli Costruzioni for the construction of louvres and doors for the Canossa Palace in Mantua – designed by Architect Massimiliano Fuksas.

In the basement there was a need to shield facilities that had to be accessible. Our 100 mm thick louvres and louvres doors were custom-made in aluminium in the double door version and painted in the special custom 'Fuksas' rust colour.

CANOSSA PALACE – MANTUA



ROSETUM THEATRE

Milano

MARVINACUSTICA was contacted to correct the acoustics of the Rosetum Theatre in Milan. Inaugurated in 1957 by Maria Callas, Rosetum is the only Franciscan Cultural Centre in Italy in which numerous musical, theatrical, artistic and literary activities take place.

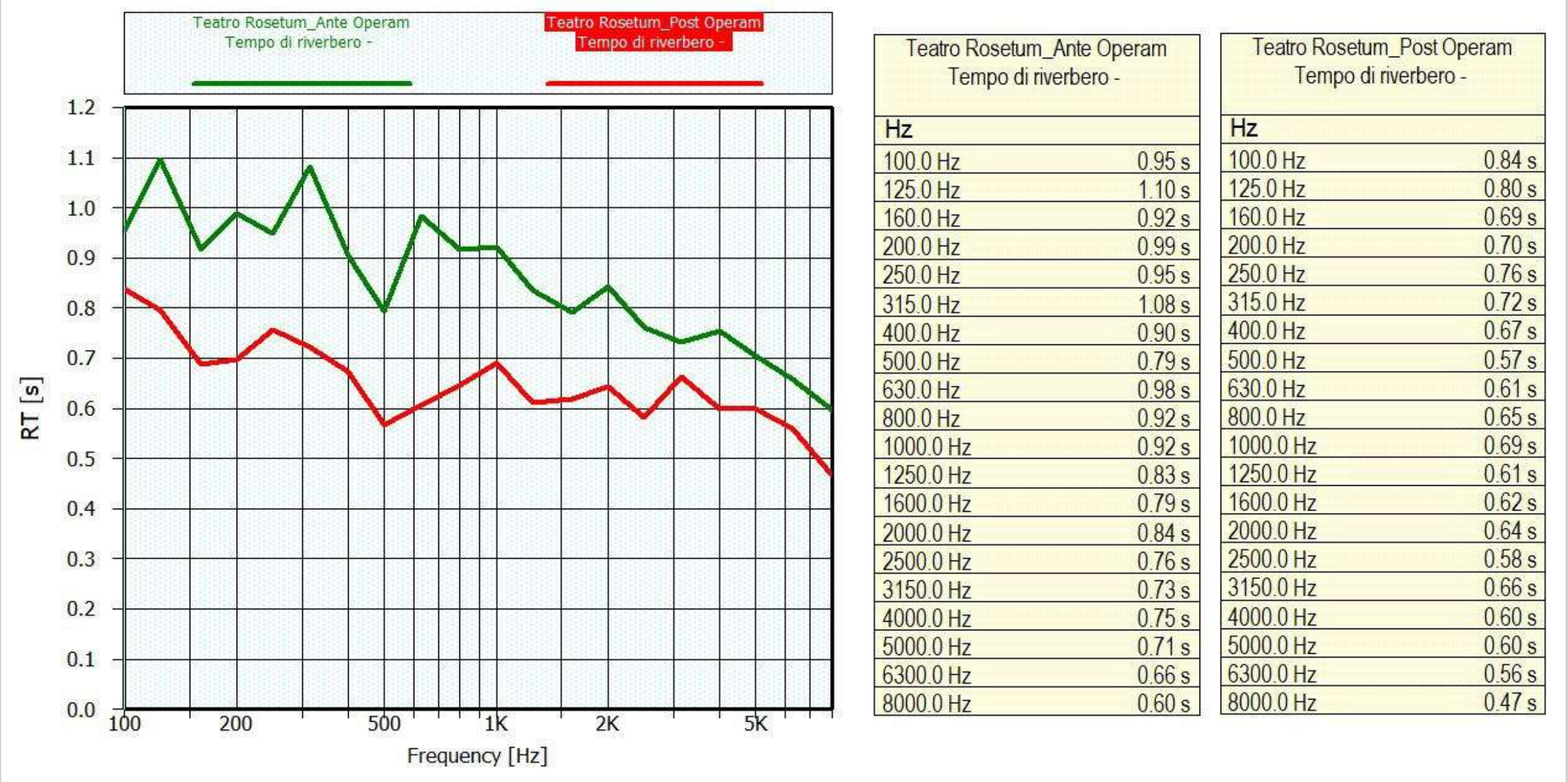
Marvinacustica was responsible for both the acoustic study and manufacture of the sound-absorbing panels necessary to correct the theatre's acoustic performance. For this project, sound-absorbing panels from the Marvinacustica Comfort line were chosen.

The installation phase was also carried out by the specialized Marvinacustica staff.

ANTE AND POST-OPERAM FREQUENCY VALUES

The comparison of the reverberation time measured before and after the intervention shows a clear improvement in the acoustic comfort of the room, as evidenced by the values of the Post-Operam measurements in comparison to the values measured before the intervention.

In fact, an average reverberation time value of 0,66 s was obtained compared to the Pre-Operam situation in which this value was 0,86 s.



ROSETUM THEATRE





RESTAURANT "ALPINO"

SKYWAY
MONTE
BIANCO

MARVINACUSTICA was contacted by SKYWAY MONTE BIANCO to correct the acoustics of the Restaurant "Alpino" – located in the Pavillon/The Mountain station.

The analyzed environment was an 'open space' characterized by the following dimensions:

- Floor Area: 215 m²
- Room Volume: 856 m³

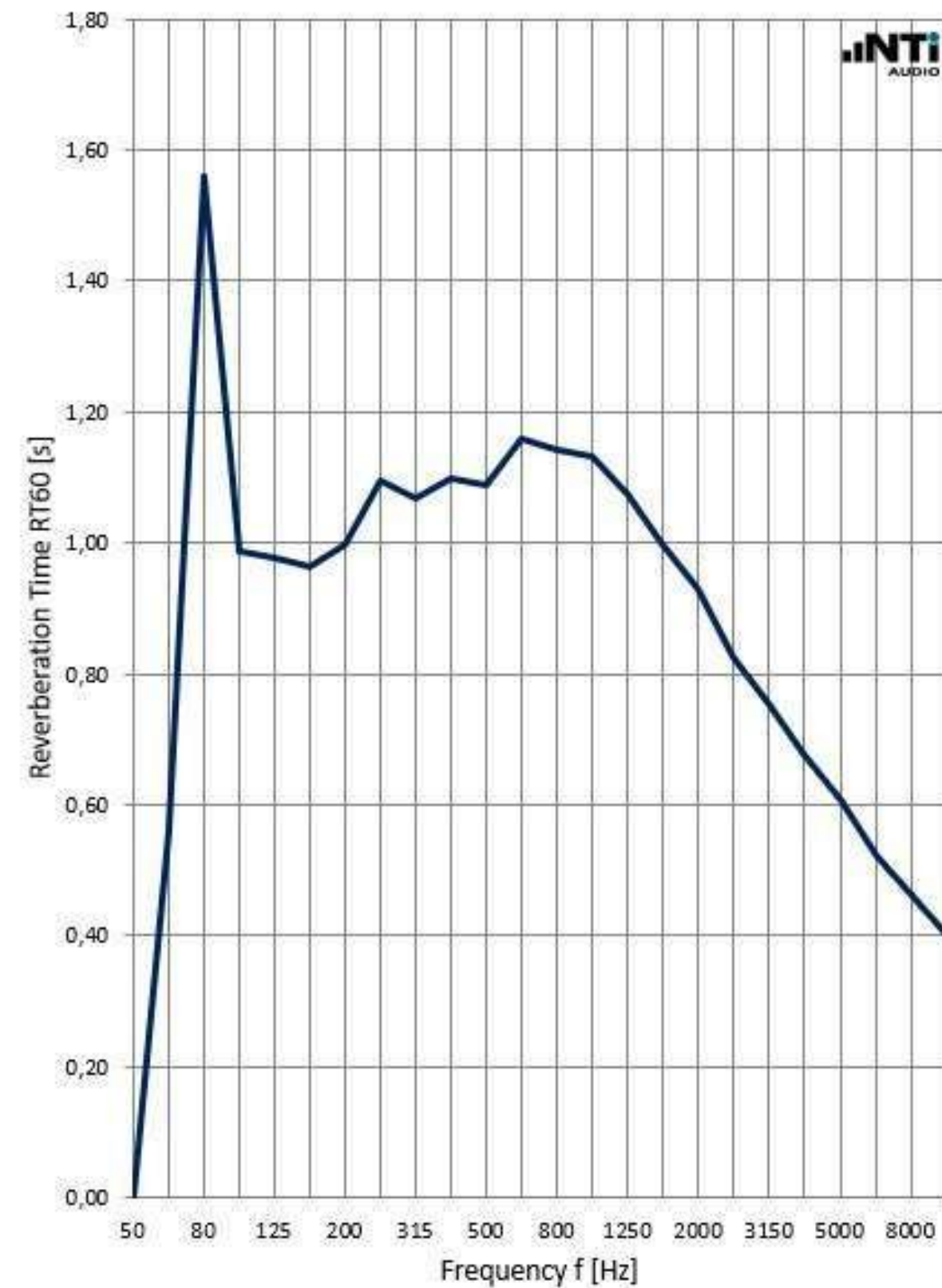
Analyzing the technical report, it was concluded that the optimum reverberation time should have been about 0.8 seconds (average over speech frequencies), compared to a measured average of more than 1 second.

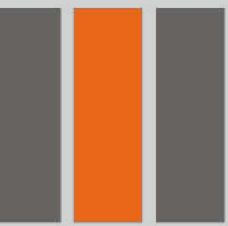
REVERBERATION TIME RT60 [s]

RESTAURANT
"ALPINO"

SKYWAY
MONTE
BIANCO

Frequency f [Hz]	RT60 Third-Octave Band [s]
50	
63	0,56
80	1,56
100	0,99
125	0,98
160	0,96
200	1,00
250	1,10
315	1,07
400	1,10
500	1,09
630	1,16
800	1,14
1000	1,13
1250	1,07
1600	1,00
2000	0,93
2500	0,82
3150	0,75
4000	0,68
5000	0,61
6300	0,52
8000	0,46
10000	0,40





RESTAURANT "ALPINO"

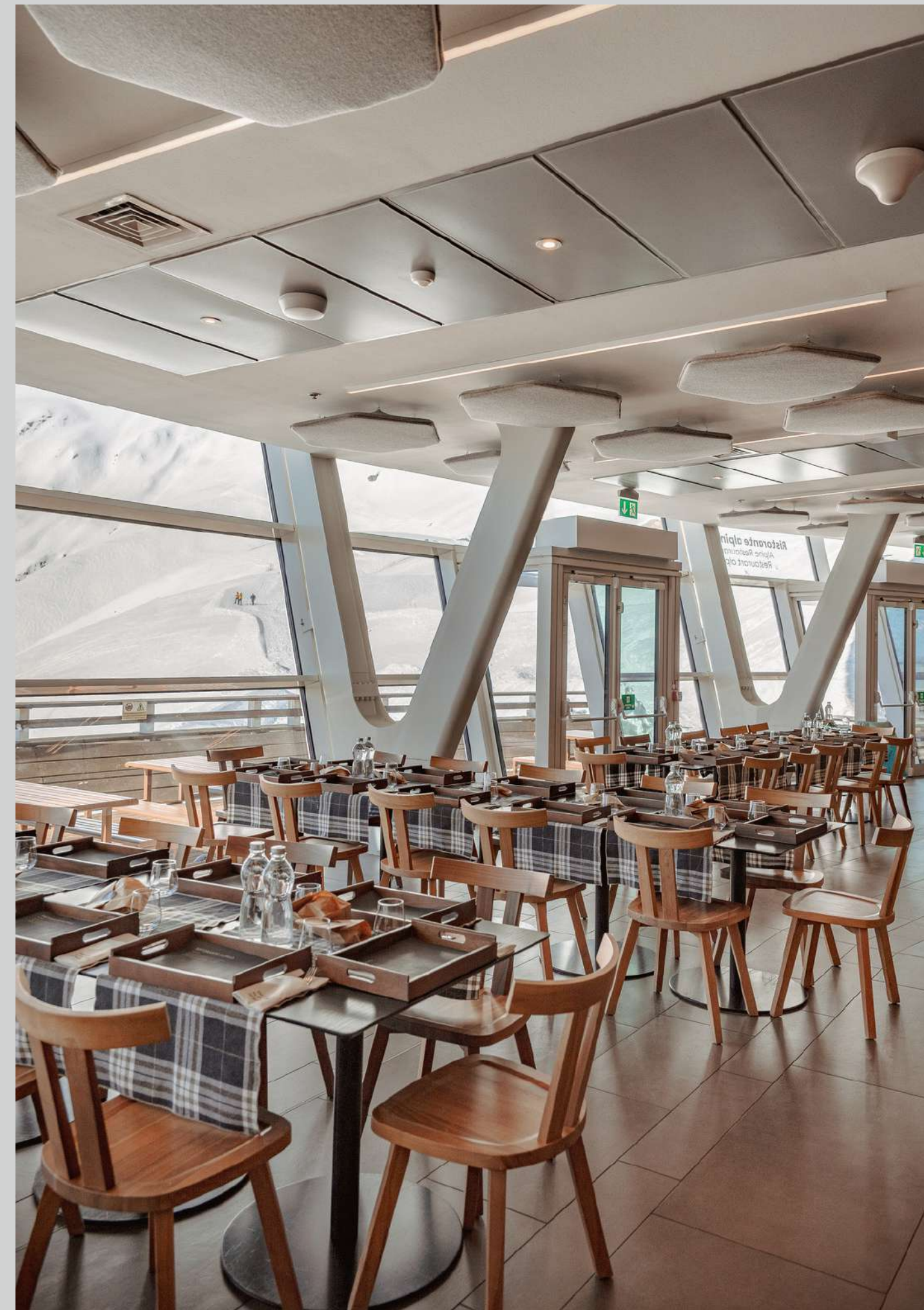
SKYWAY
MONTE
BIANCO

Solution proposed:

MARVINACUSTICA manufactured sound-absorbing panels made of 100% recyclable polyester fibre, which achieved the desired acoustic result.

The intervention consisted in the installation of No.75 Marvinacustica Suonosoft Esagono 100 sound-absorbing panels in 1000x900 mm size, evenly distributed in the ceiling and in smaller quantities in the walls.

RESTAURANT "ALPINO"

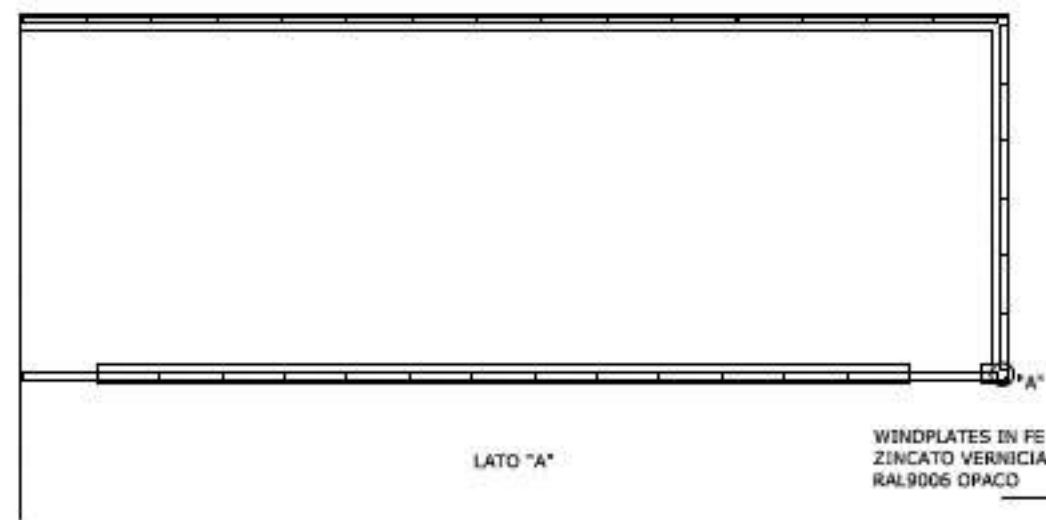


RECENT PROJECTS

**ACOUSTIC LOUVRES SL 150
THERMAL POWER STATION
— BOLZANO HOSPITAL**



LATO "C"



LATO "B"

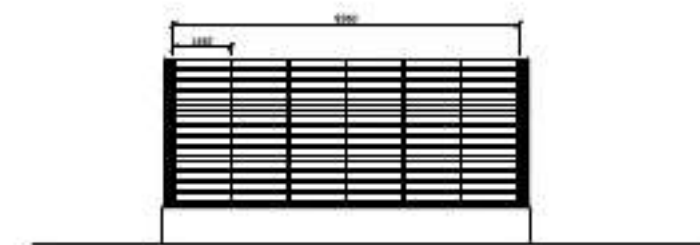
LATO "A"

WINDPLATES IN FE
ZINCATO VERNICIATO
RAL9006 OPACO

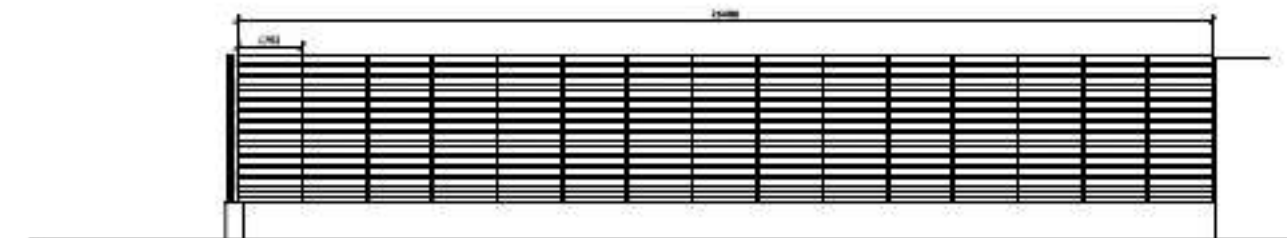
GRIGLIA SL150 IN FE
ZINCATO VERNICIATO
RAL9006 OPACO

ANGOLARE 30/10 FE
ZINCATO VERNICIATO
RAL9006 OPACO

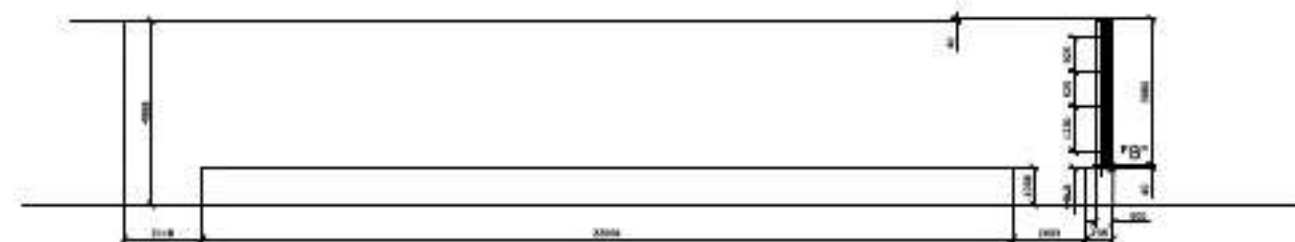
DETTAGLIO A



LATO "B"



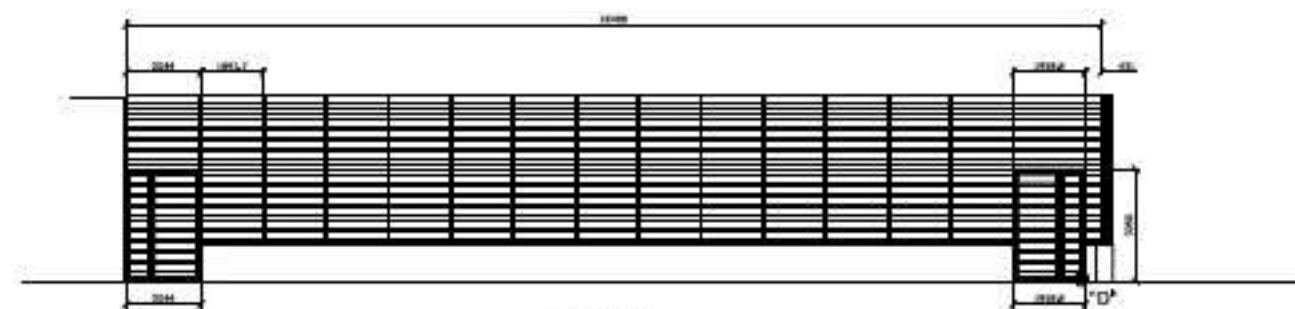
LATO "C"



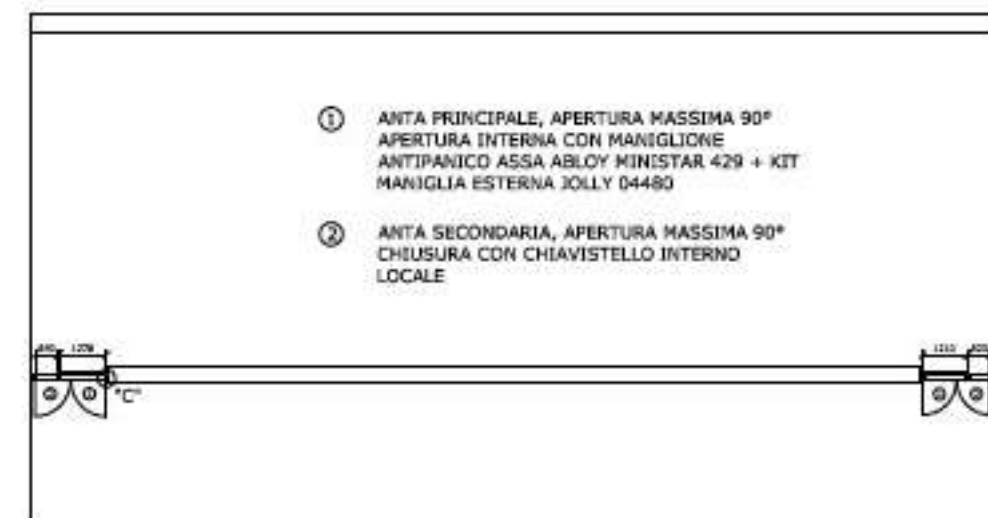
LATO "A"



LAMIERINO 15/10
ZINCATO VERNICIATO
RAL9006 OPACO

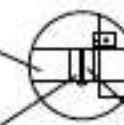


LATO "A"



- 1 ANTA PRINCIPALE, APERTURA MASSIMA 90°
APERTURA INTERNA CON MANIGLIONE
ANTIPANICO ASSA ABLOY MINISTAR 429 + KIT
MANIGLIA ESTERNA JOLLY 04480
- 2 ANTA SECONDARIA, APERTURA MASSIMA 90°
CHIUSURA CON CHIAVISTELLO INTERNO
LOCALE

GRIGLIA SL150 IN FE
ZINCATO VERNICIATO
RAL9006 OPACO



TUBO ANTA 150x50

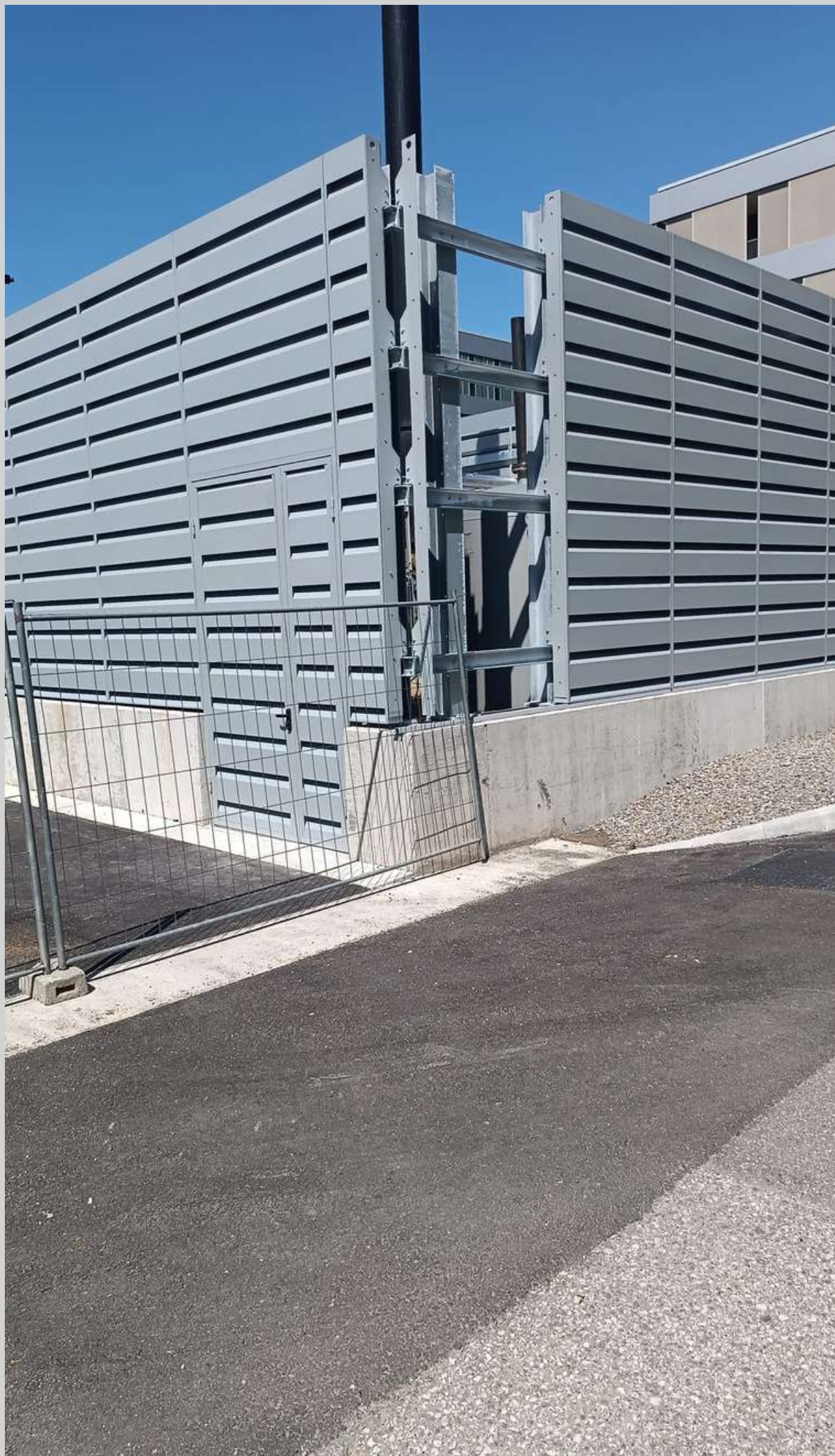
TUBO PERIMETRALE
150x50 CON CERNIERE A
VISTA AVVITATO SUI DUE
LATI AI WIND PLATES

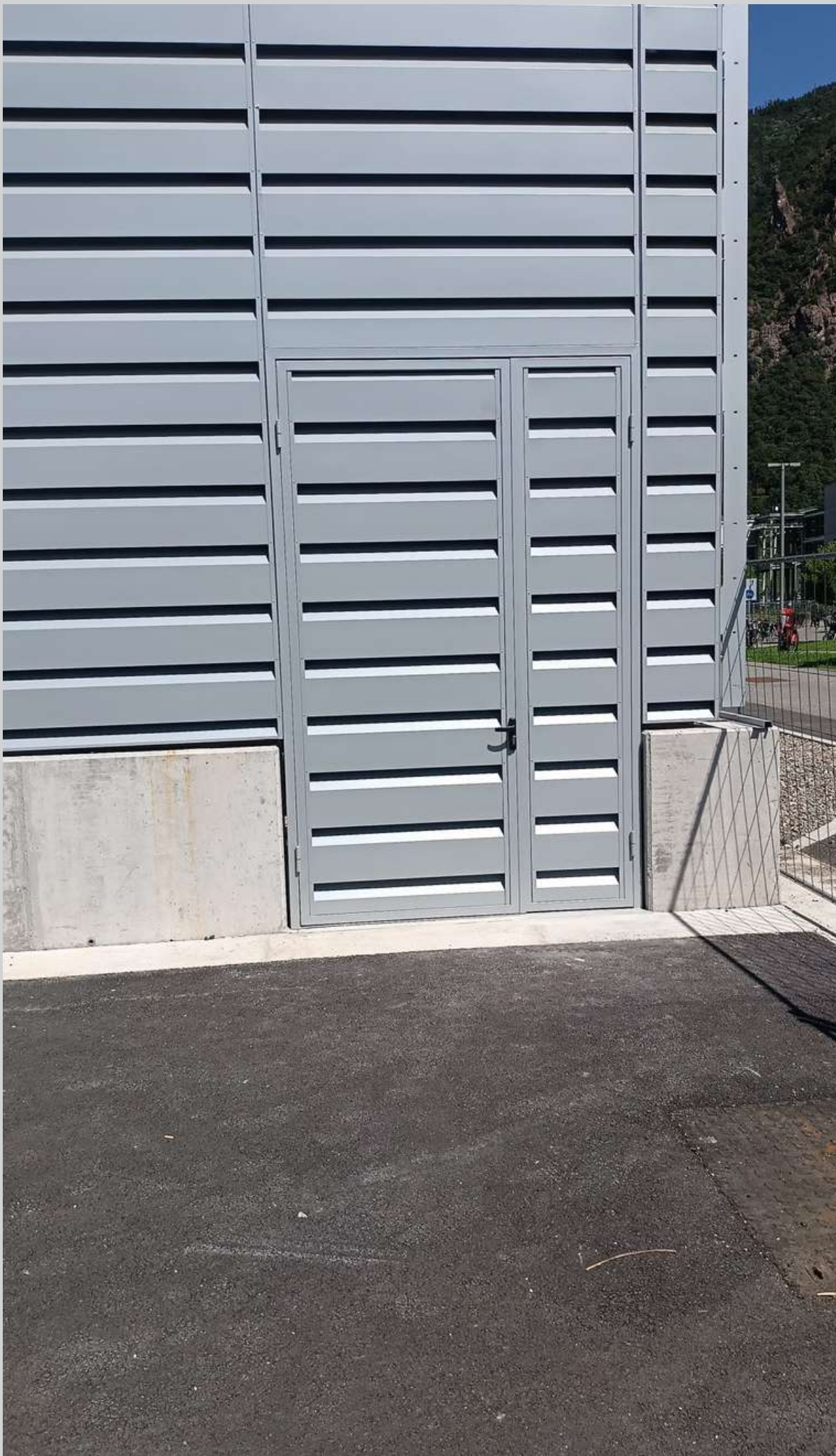
TUBO ANTA 150x50



REV.	POS.	DATA	DESCRIZIONE MODIFICA	DISEGNATORE	APPROVATO DA
Tolleranze generali di lavorazione			MANIGLIONE	CODICE GREZZO	DIM. GREZZO
Dimensioni	Carpenteria	Macc. utens.			
Angoli	±1°	±0,15°			
Da 0 a 100	±1	±0,25			
>100 a 250	±1,5	±0,5			
>250 a 500	±2	±0,75			
>500 a 1000	±2,5	±1			
>1000	±3	±1,25			
CONTROLLATO DA MAC			FORMATO A3	SCALA 1:1	TAVOLA 1 di 1
APPROVATO DA MAC			DATA 22/05/2023		DISSEGNO CLIENTE AL
0008770			REV.		







RECENT PROJECTS

ACOUSTIC BARRIERS ON THE ROOF TO SHIELD HVAC SYSTEMS – TRENTO

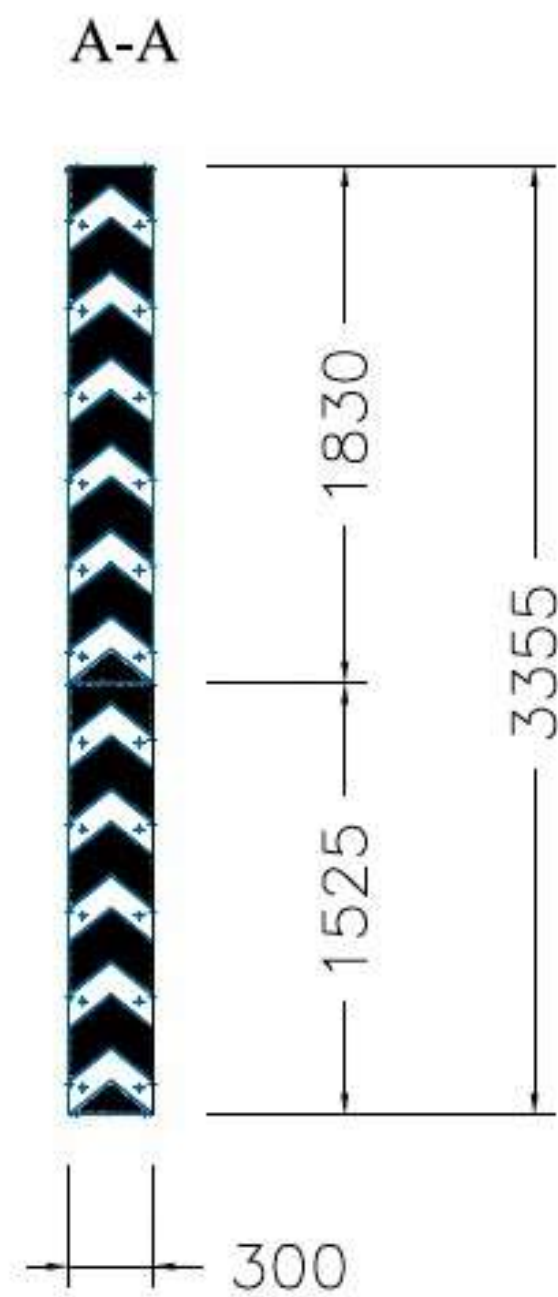




RECENT PROJECTS

**ACOUSTIC LOUVRES
SHIELDING COMPRESSOR
ROOMS – STM (MI)**



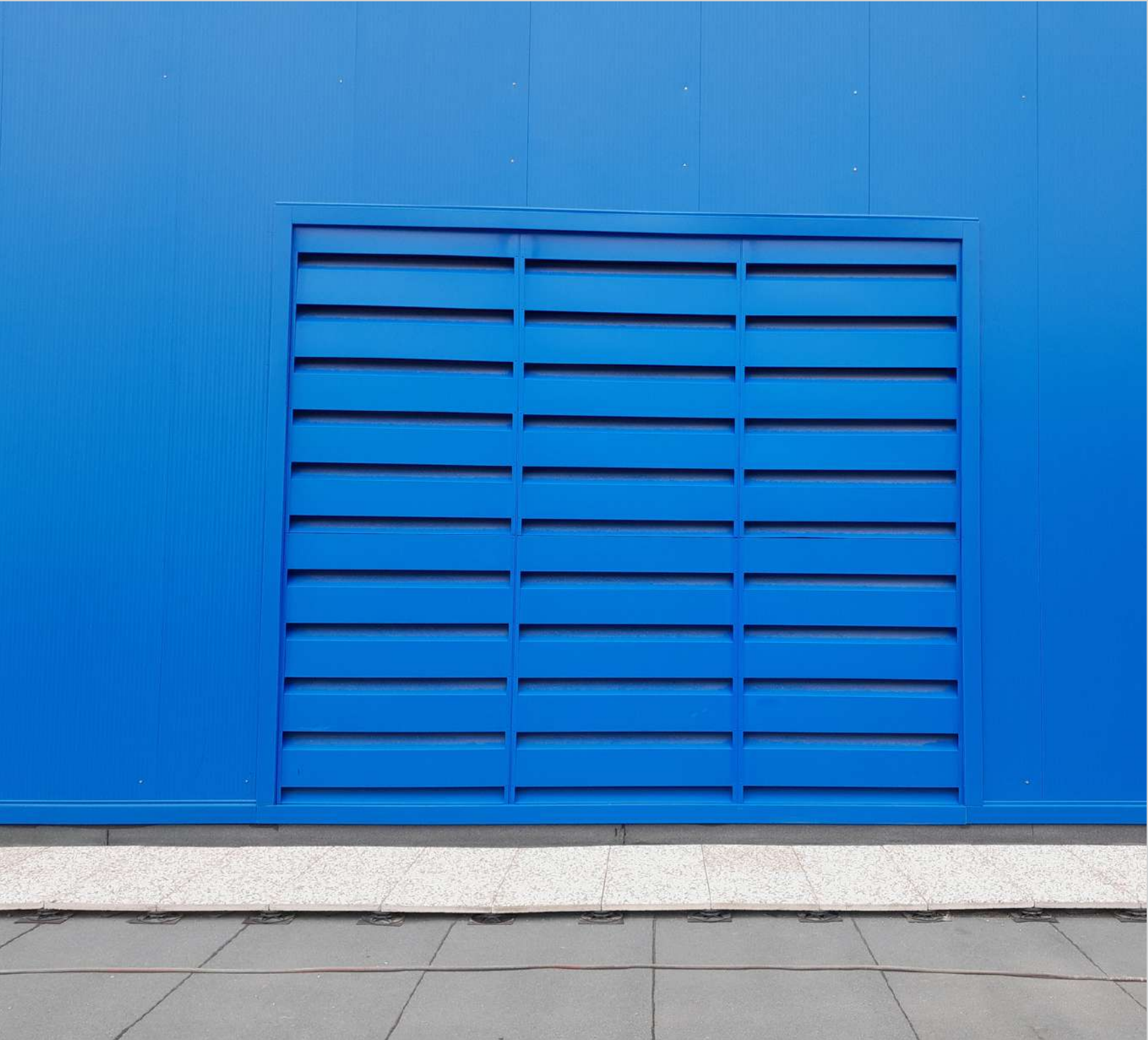


GRIGLIE SL-V300S		
BASE	ALTEZZA	Q.TA'
1293	1830	27
1293	1525	27

MATERIALE : FE ZINCATO VERNICIATO DA CONCORDARE

REV.	FOR.	DATA	DESCRIZIONE MODIFICA			DELEGATARIO			ARRETRATO	
Riferenze generali d'installazione			ANZONALE			CODICE GRIGGIO	SAL. GRIGGIO	PESO	FATTURA	
Dimensioni			Disegnato			Mater. a. l. n.				
Angolo			A1			A2,13				
Se a e 100			A1			25,25				
1000 a 250			A1,5			45,5				
2500 a 500			2,2			25,75				
5000 a 1000			2,5			A1				
10000			4,3			A1,25				
			POMBA		SCALA	INVELA		DELEGATARIO		
			A3		1	1 di 5		DDR		
CONTROLLATO DA			APPROVATO DA			DATA				
MAC			MAC			13/07/2021				
MARVINACUSTICA srl PRODOTTORE E IMPORTATORE ITALIANO Via Lago di Lugano, 7 20126 20140 tel. 0445 215889			OGGETTO			APERTURA CUBO			AVV.	
			APERTURA L05			157/21				
SICUREZZA			SICUREZZA			SICUREZZA				
TRACCE DI TEST E CONTROLLO (Se non è presente, non è necessario)			GRIGLIA BLV0006			83A				

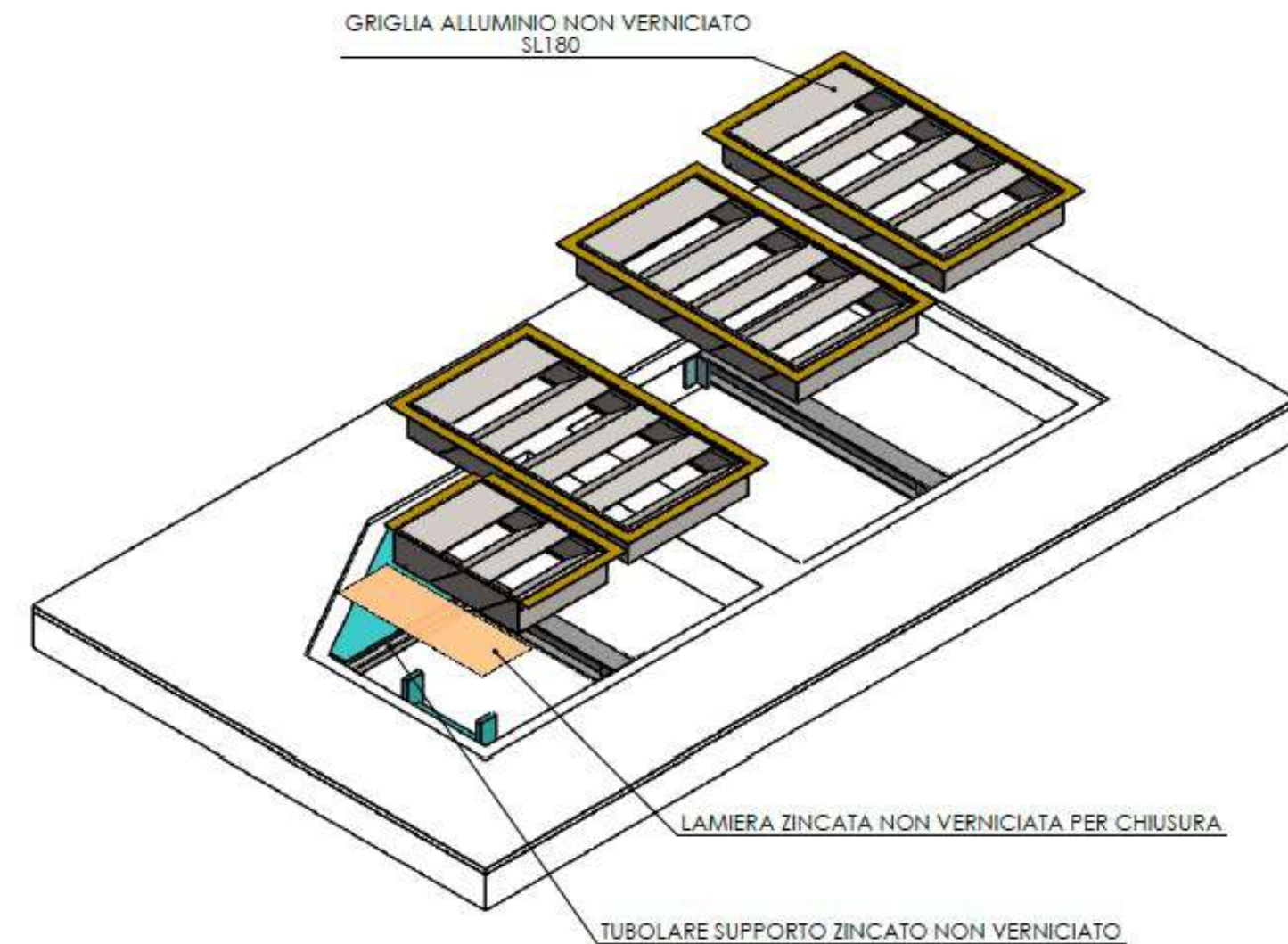
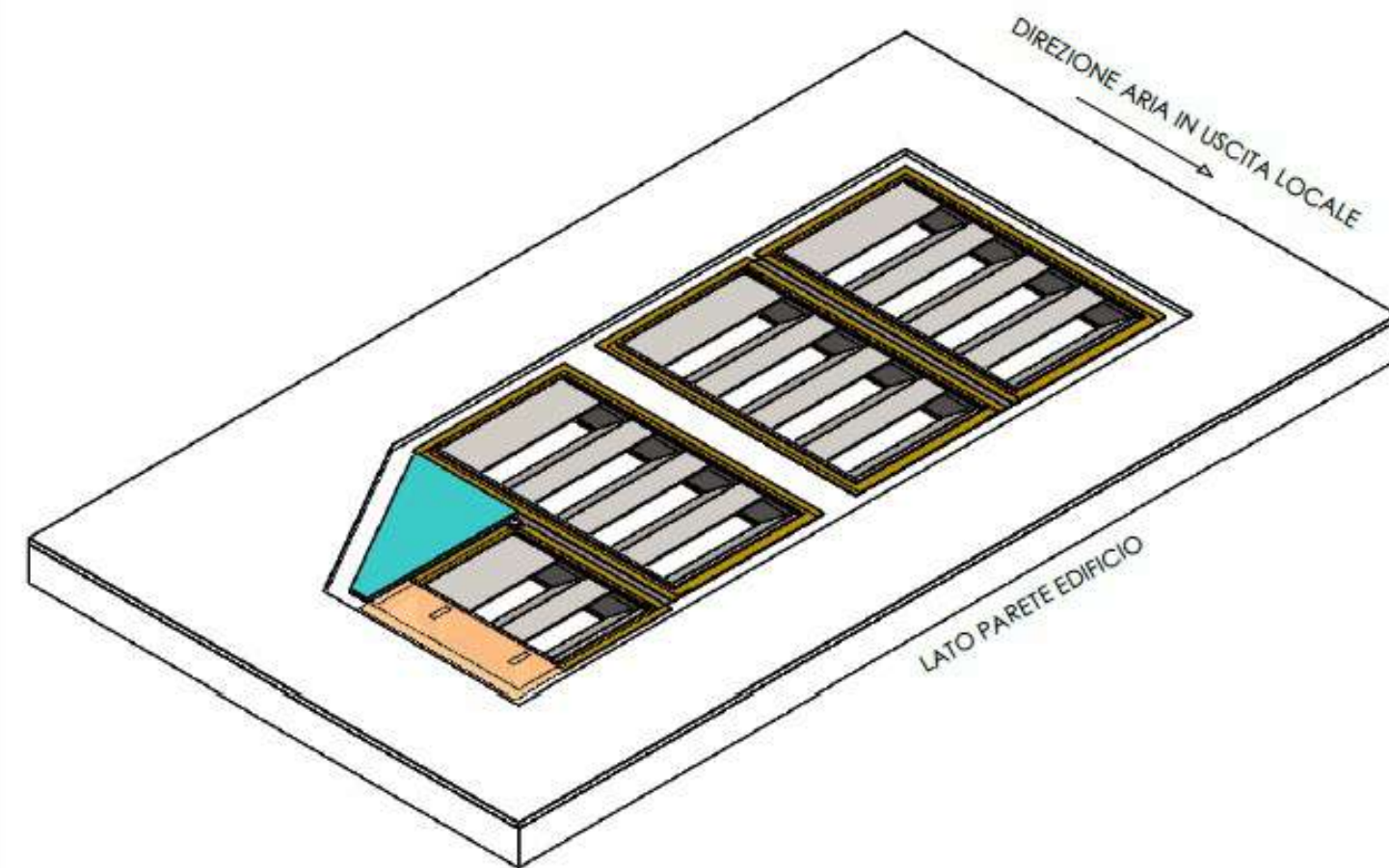




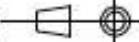
RECENT PROJECTS

**SL180 CUSTOM-MADE
HORIZONTAL LOUVRES –
MUNICIPALITY OF
MEZZOCORONA (TN)**





POSIZIONAMENTO ALL'INTERNO LOCALE :
- 24 Mq FIBRA POLIESTERE SP 50mm
- 6 BLOCCHI LANA 400x500x600

Tolleranze generali di lavorazione				FORMATO	SCALA	TAVOLA	DISEGNATORE
Dimensioni	Carpenteria	Macc. utens.		A3	1:50	1-2	DDR
Angoli	±1°	±0,15°	CONTROLLATO DA MAC	APPROVATO DA MAC	DATA 18/02/2020		
Da 0 a 100	±1	±0,25					
>100 a 250	±1,5	±0,5					
>250 a 500	±2	±0,75					
>500 a 1000	±2,5	±1					
>1000	±3	±1,25	OGGETTO CAVEDIO COMUNALE				IMPEGNO CLIENTE N.
MARVINACUSTICA srl Prodotti e sistemi per l'isolamento acustico Via lago di Levico, 7 - 36015 Schio (VI) Tel. 0445 575669			DESCRIZIONE INTERVENTO INSONORIZZANTE				DISEGNO N° 10
			Il presente progetto, redatto in base a soluzioni originali, non può essere riprodotto o impiegato al di fuori della sua destinazione a norma dell'art. 1, 2576 C.C. senza nostra autorizzazione MARVINACUSTICA srl				

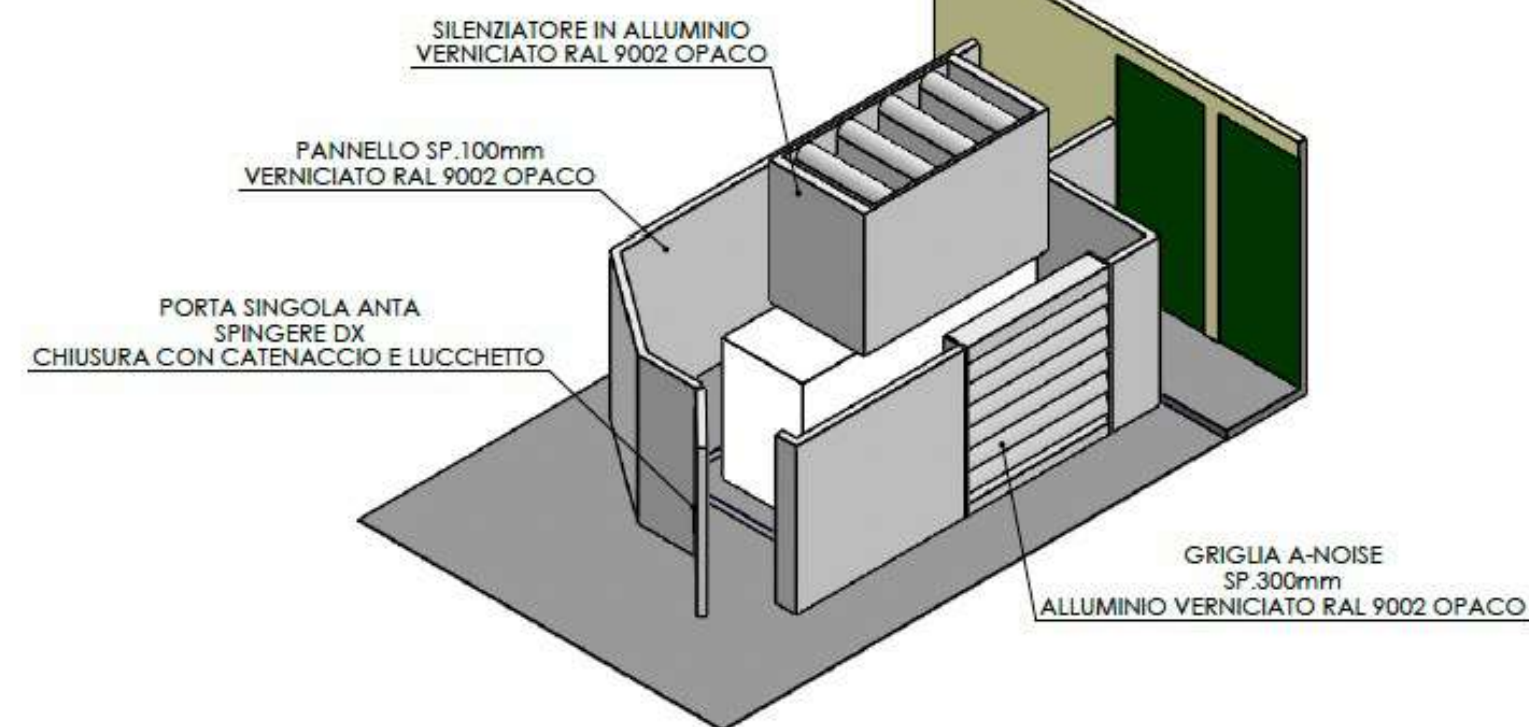
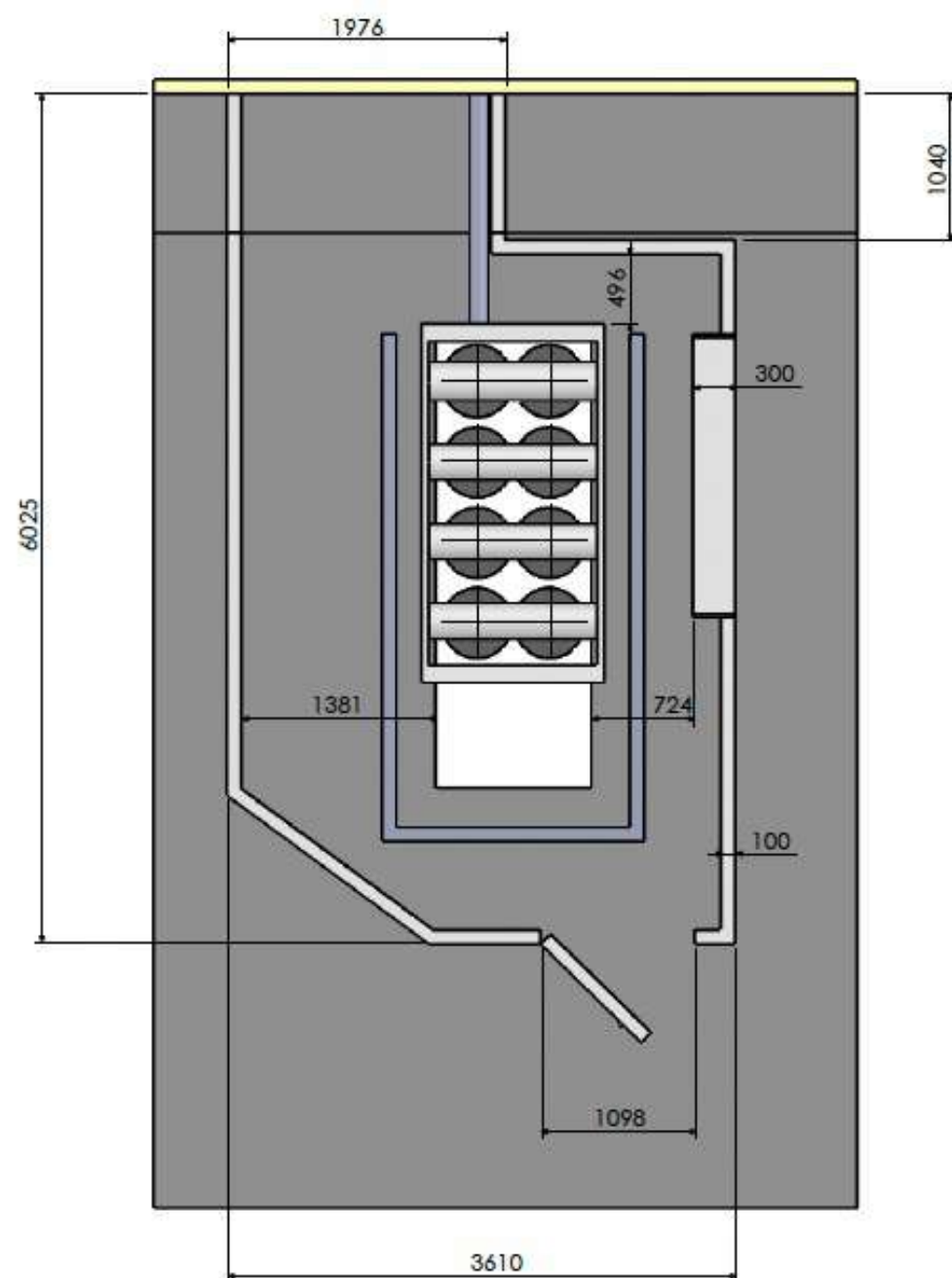
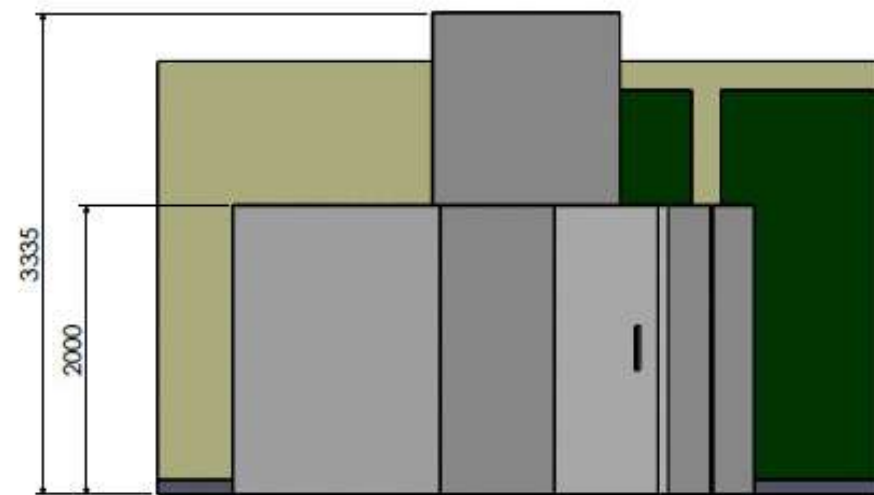


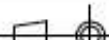
RECENT PROJECTS



**BARRIER WITH BUILT-IN
LOUVER FOR MACHINE
SUCTION –
MUNICIPALITY OF SUSEGANA**





Tolleranze generali di lavorazione				FORMATO	SCALA	TAVOLA	DISEGNATORE	
Dimensioni	Carpenteria	Macc. utens.		A3	1:100	1-1	DDR	
Angoli	±1°	±0,15°	CONTROLLATO DA MC		APPROVATO DA MC		DATA 03/05/2023	
Da 0 a 100	±1	±0,25						
>100 a 250	±1,5	±0,5	OGGETTO GRUPPO AERMEC					IMPIEGATO CLIENTE IN 67/23
>250 a 500	±2	±0,75						
>500 a 1000	±2,5	±1	DESCRIZIONE INTERVENTO INSONORIZZANTE					DISEGNO N° 29
>1000	±3	±1,25						
MARVINACUSTICA srl Prodotti e sistemi per l'isolamento acustico Via lago di Levico, 7 - 36015 Schio (VI) Tel. 0445 575669								
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SITE SURVEY AND ON SITE INSTALLATION



COMMISSIONING

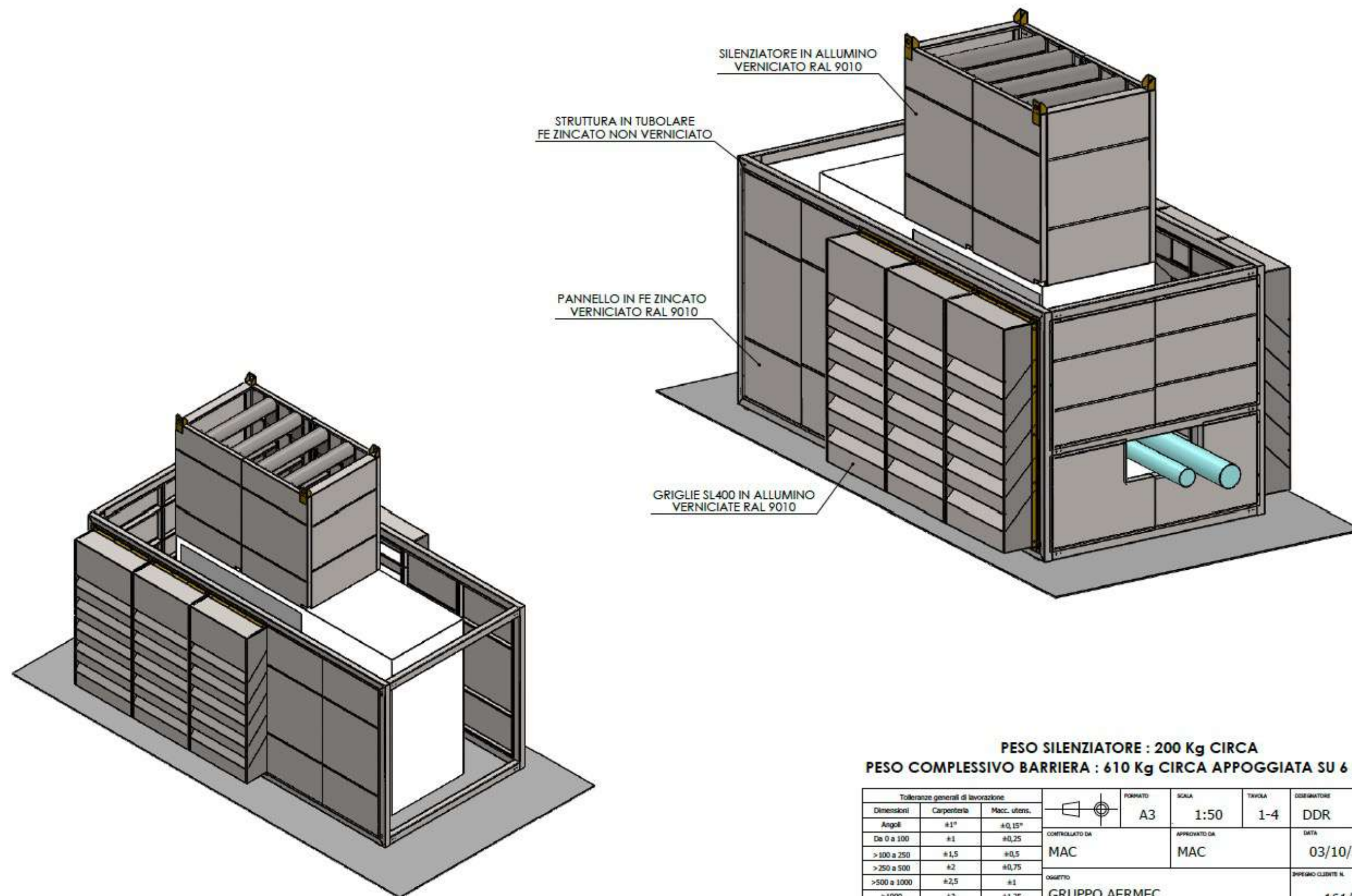


RECENT PROJECTS

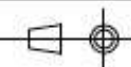


LOUVRES AND SILENCER – ARCADE SCHOOL (TV)





PESO SILENZIATORE : 200 Kg CIRCA
PESO COMPLESSIVO BARRIERA : 610 Kg CIRCA APPOGGIATA SU 6 PUNTI

Tolleranze generali di lavorazione				FORMATO	SCALA	TAVOLA	DESEGNATORE
Dimensioni	Carpenteria	Macc. utens.		A3	1:50	1-4	DDR
Angoli	±1°	±0,15°	CONTROLLATO DA MAC		APPROVATO DA MAC		DATA 03/10/2022
Da 0 a 100	±1	±0,25					
>100 a 250	±1,5	±0,5	OGGETTO GRUPPO AERMEC				
>250 a 500	±2	±0,75					
>500 a 1000	±2,5	±1					
>1000	±3	±1,25					
MARVINACUSTICA srl Prodotto e sistemi per l'isolamento acustico Via lago di Levico, 7 - 36015 Sirolo (VI) Tel. 0445 575669			DESCRIZIONE INTERVENTO INSONORIZZANTE				
Il presente progetto, redatto in base a soluzioni originali, non può essere riprodotto o impiegato al di fuori della sua destinazione a norma dell'art. n. 1578 C.C. senza nostra autorizzazione MARVINACUSTICA srl							
			IMPEGNO CLIENTE N. 161/22				
			DISSEGNO N° 69				

SITE SURVEY



COMMISSIONING



RECENT PROJECTS

COGENERATION FACILITY BARRIER – NEGRAR HOSPITAL (VR)



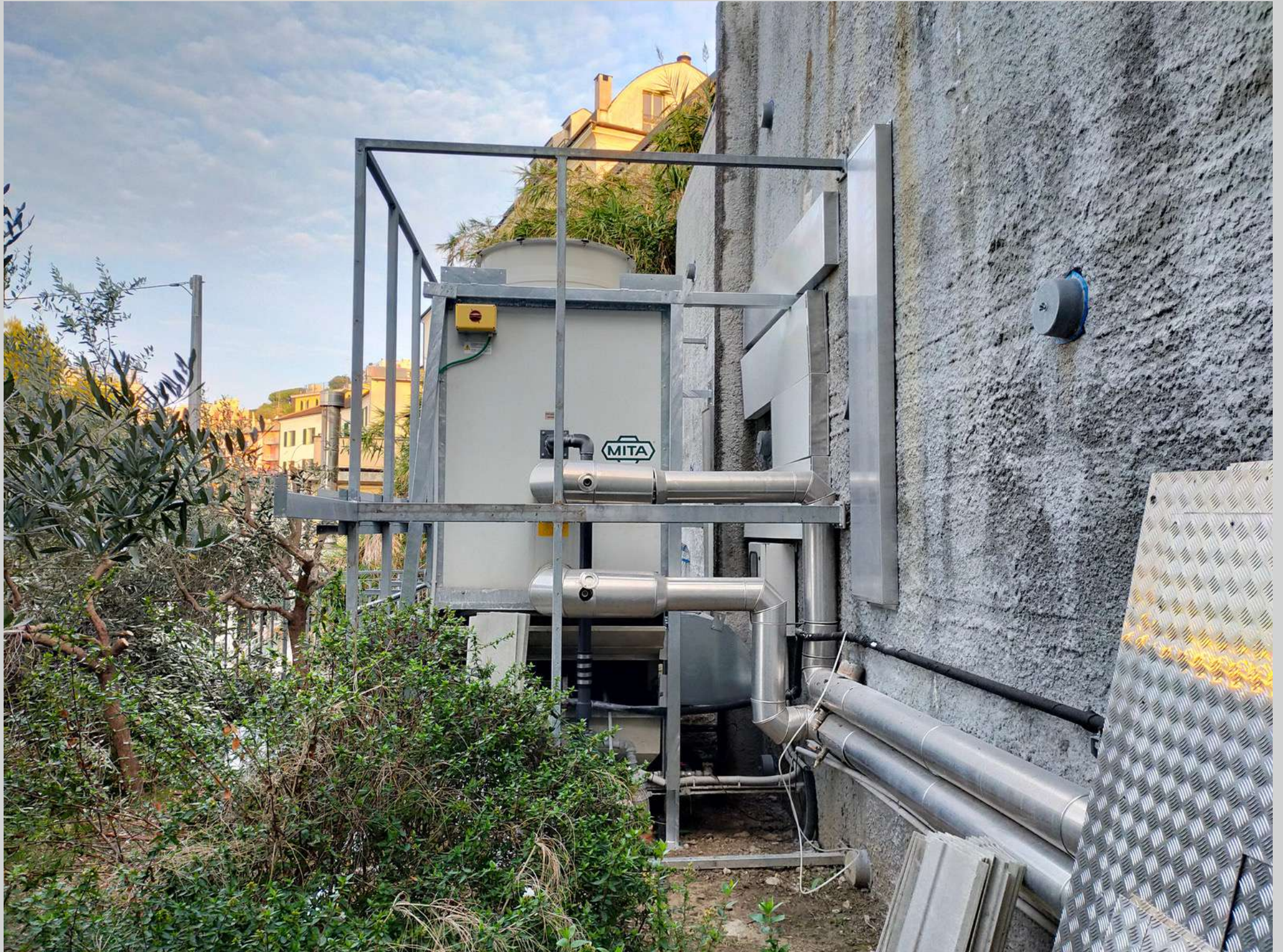




RECENT PROJECTS

**ACOUSTIC SHIELDING WITH
SILENCER ON CHILLER -
PALASALUTE MARTINEZ GENOA**







RECENT PROJECTS



CASSA RURALE BANK – LUCINICO (GO)





RECENT PROJECTS



ACOUSTIC BARRIER – ARENZANO HOSPITAL (GE)



RECENT PROJECTS

HELICOPTER TRANSFER AND INSTALLATIONS



RECENT PROJECTS

CHILLER SOUNDPROOFING INSTALLATION – MUNICIPALITY OF ANCONA



RECENT PROJECTS

**ACOUSTIC WALL PRODUCTION
DEPARTMENT –
LUXOTTICA AGORDO (BL)**

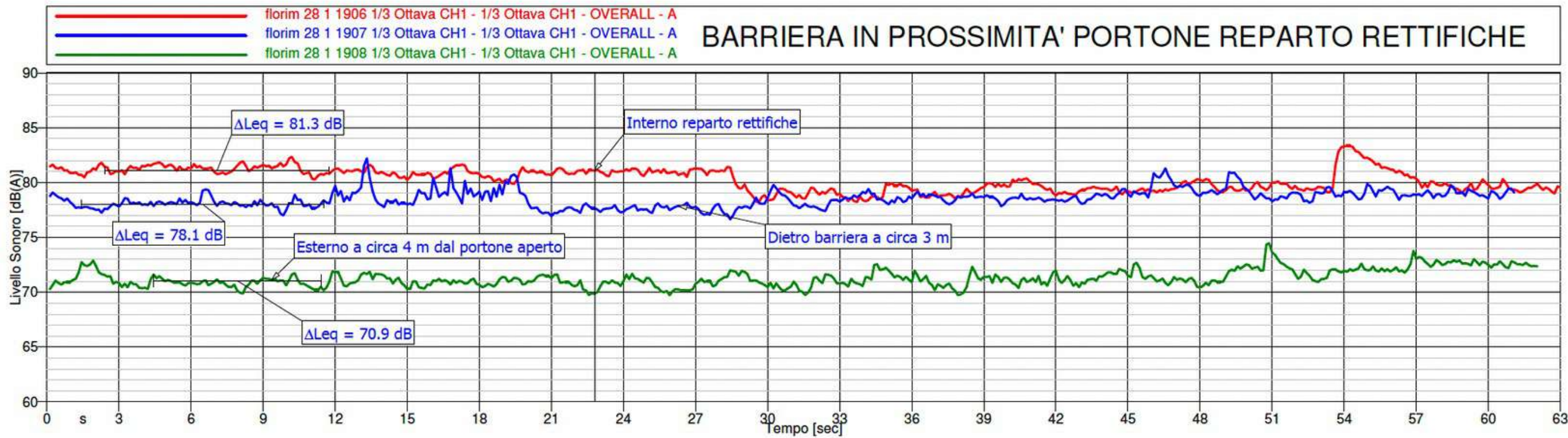
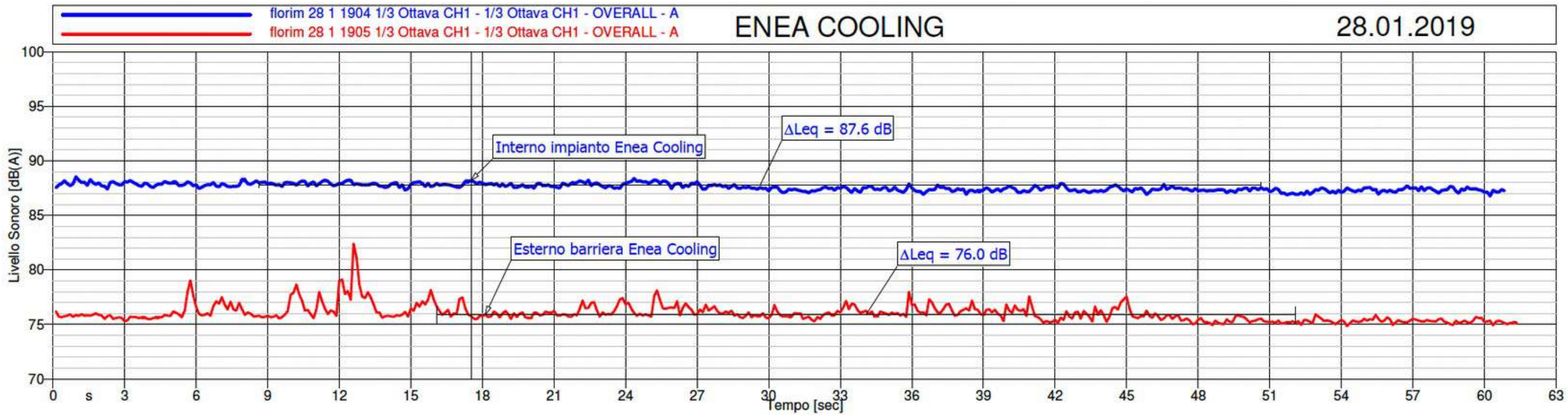


RECENT PROJECTS

**STAINLESS STEEL SILENCER –
CERAMICHE FLORIM
SASSUOLO (MO)**

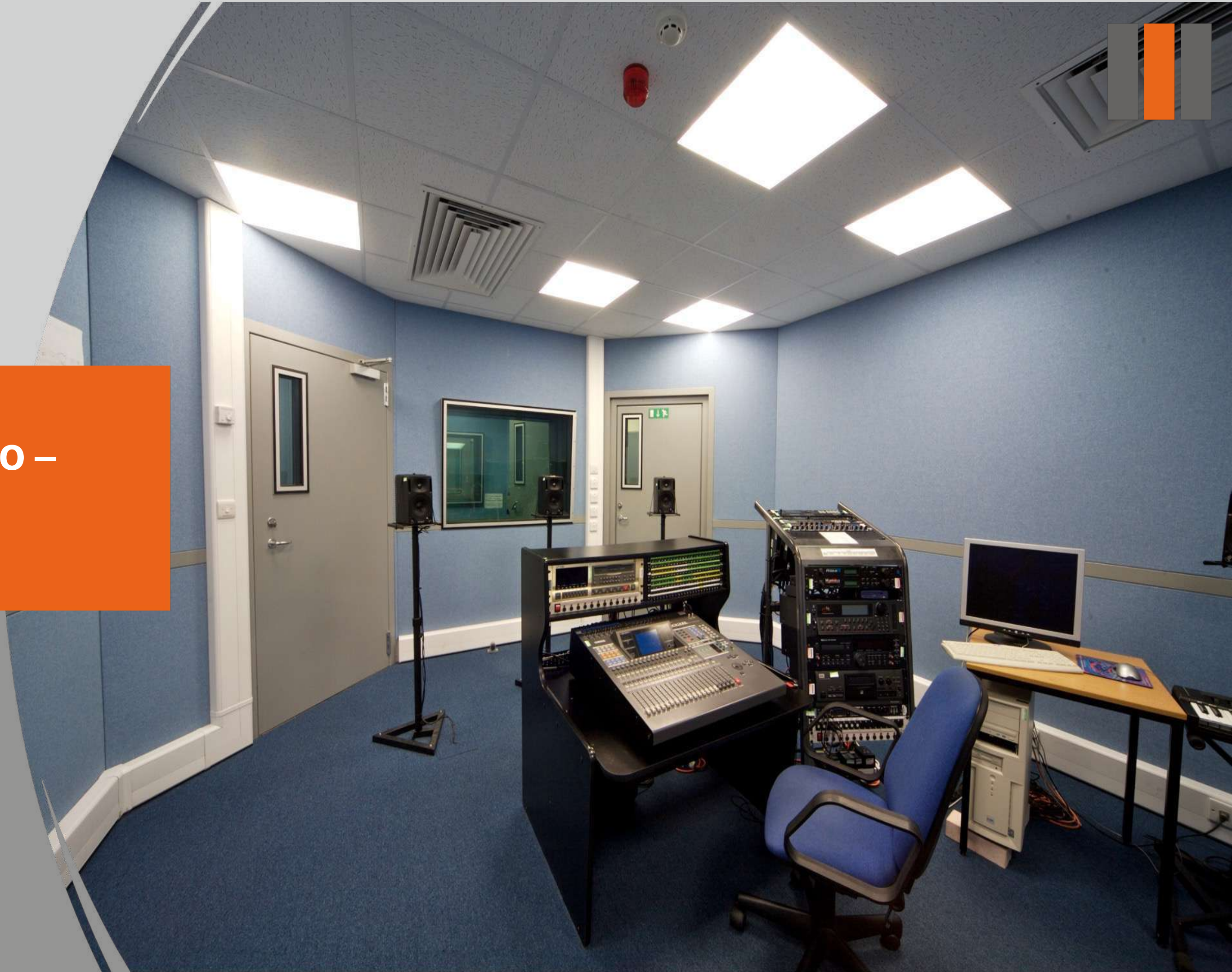






RECENT PROJECTS

DUBBING STUDIO – LONDON



RECENT PROJECTS

RF SHIELDED AUDIOLOGY BOOTH – VENICE HOSPITAL



RECENT PROJECTS

PRIMA AUDIOLOGY BOOTH – VENICE HOSPITAL



RECENT PROJECTS

**PRIMA AUDIOLOGY
BOOTH –
SAN BENEDETTO DEL
TRONTO CLINIC (AP)**



RECENT PROJECTS

**SOUND-ABSORBING
MARVINACUSTICA PANELS
VIEW – WINERY
CA' DEL BAIO, LANGHE (CN)**



RECENT PROJECTS

**SOUND-ABSORBING
MARVINACUSTICA PANELS
SUONOSOFT PLETTRO –
BIGA BITE, NEW YORK CITY**



RECENT PROJECTS



**SOUND-ABSORBING
MARVINACUSTICA PANELS
COMFORT ESAGONO –
AMAZON BERGAMO**



RECENT PROJECTS



**SOUND-ABSORBING
MARVINACUSTICA COMFORT
CLOUD + VIEW –
VENICE HOSPITAL**



RECENT PROJECTS

**SOUND-ABSORBING
MARVINACUSTICA COMFORT –
TRIESTE HOSPITAL**



RECENT PROJECTS



SOUND-ABSORBING MARVINACUSTICA DOT – VICENZA HOSPITAL



RECENT PROJECTS

**SOUND-ABSORBING
MARVINACUSTICA COMFORT
CUSTOM –
SCHIO (VI)**



RECENT PROJECTS

**SOUND-ABSORBING
MARVINACUSTICA SUONOSOFT
SKY –
SCHIO (VI)**





Future
Solutions
International Company W.L.L.

Smart Technology for Future



Al Jazz Tower, Floor-1
Ahmad Al Jabber Street
Sharq, Dasman, Kuwait



+965-22240251
+965-55572632



info@futuresolutionsint.com



www.futuresolutionsint.com