

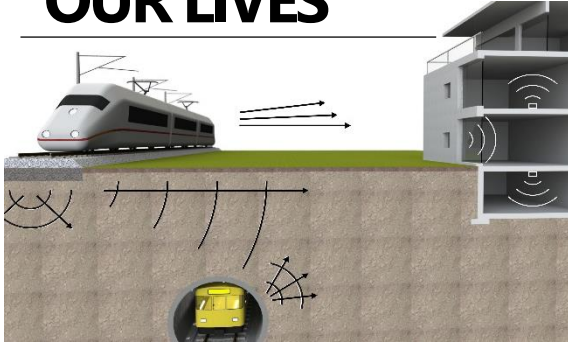


PHONONIC VIBES

THE METAMATERIAL EXPERIENCE

VIBRATIONS & NOISE AFFECT

OUR LIVES



2,000 km
of railways in Italy

100 km
of railways in Milan

OUR HOMES



VIBRATIONS & NOISE AFFECT INDUSTRIAL PRODUCTION



150 turbines in Italy
> 50 MW



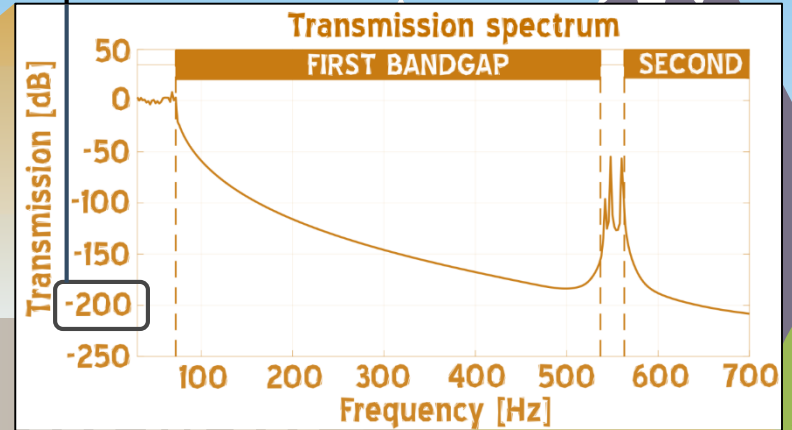
OUR SOLUTION



OUR SOLUTION

Phononic panels

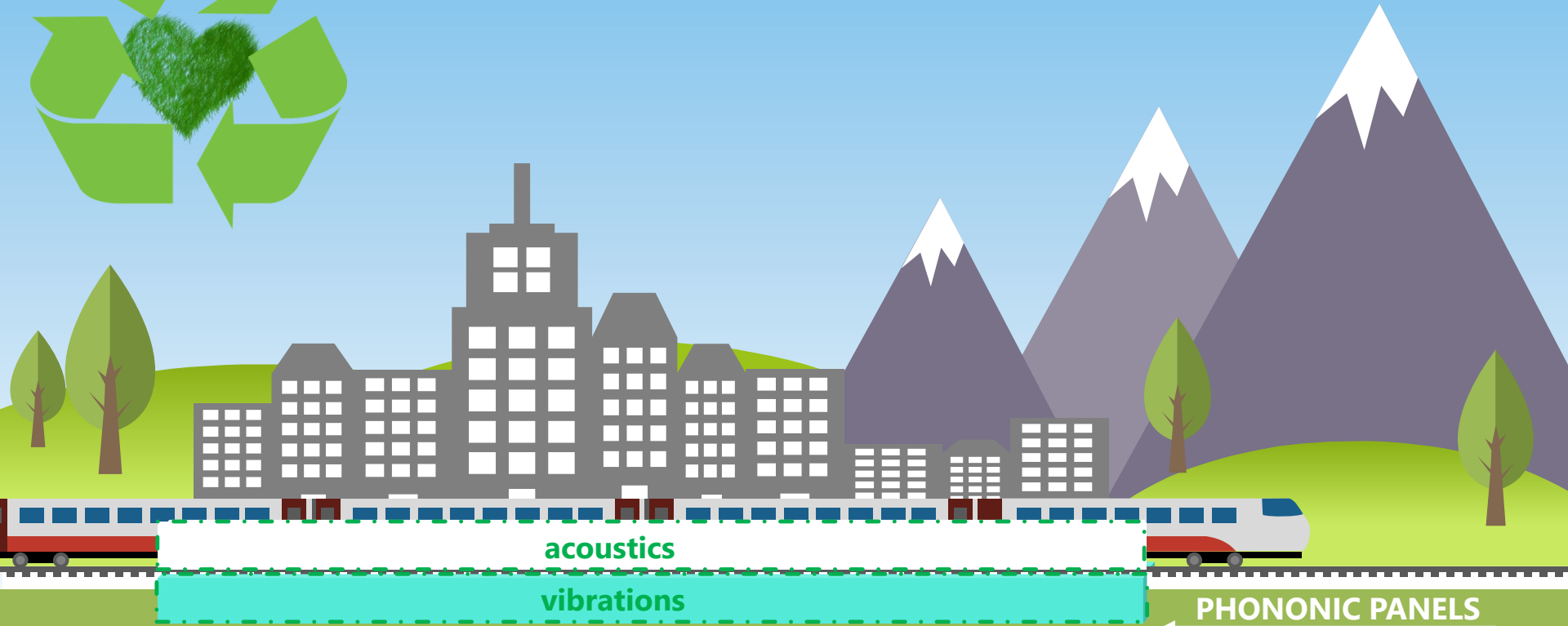
Vibrations reduced of
99.9999%



PHONONIC PANELS

OUR SOLUTION

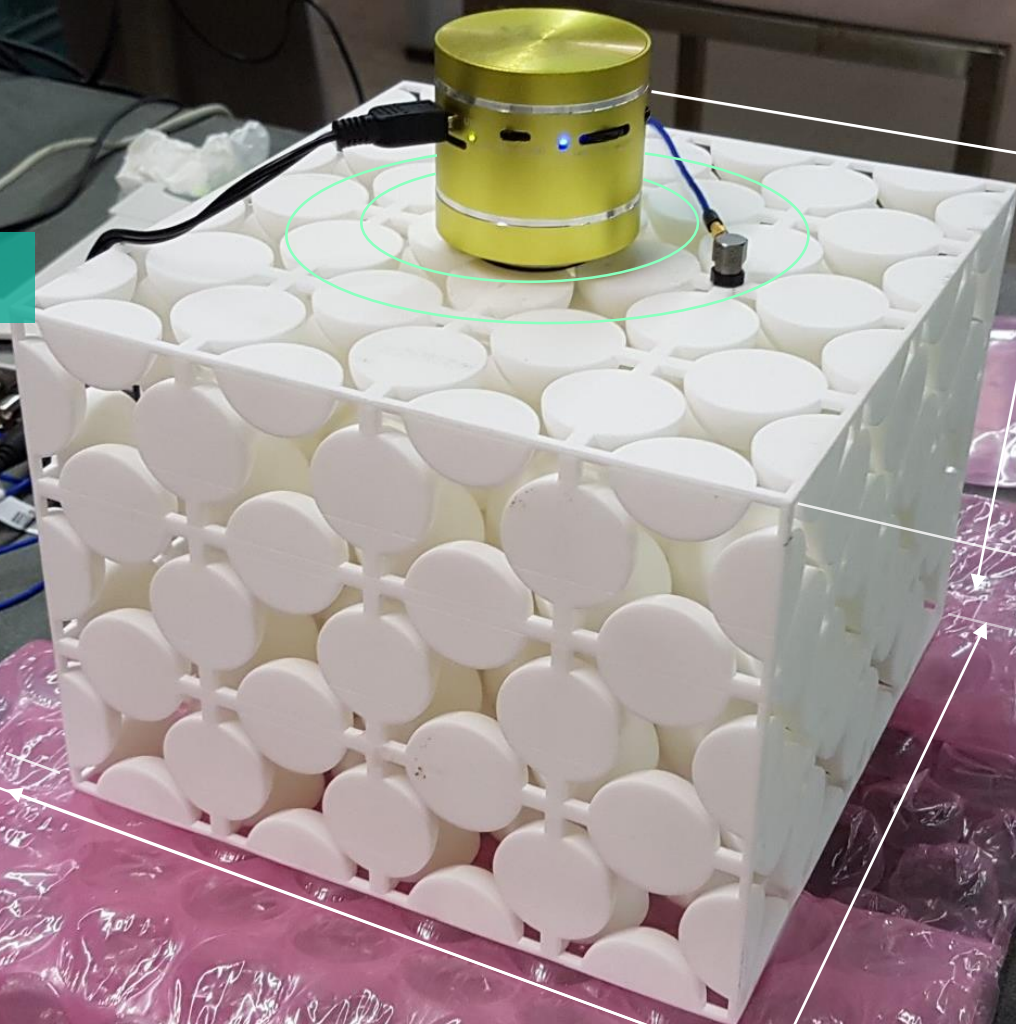
Phononic panels



OUR TECHNOLOGY

Mechanical
periodic structures

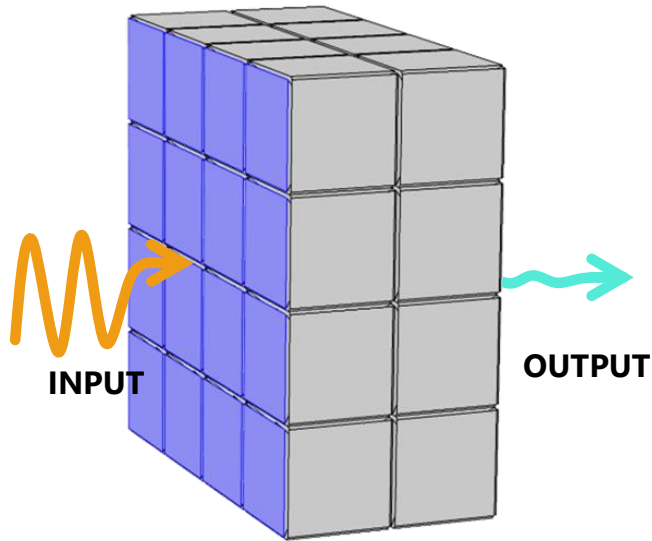
2 Patents filed!



THE PATENTS

Modular structure

Works for every material and dimension



VIBRATIONS



**CONCRETE, STEEL
AND RECYCLED PLASTIC**
width of 40 cm



ACOUSTICS



100% RECYCLED PLASTIC
width of 3 cm

OUR SOLUTION

Phononic panels - VIBRATIONS



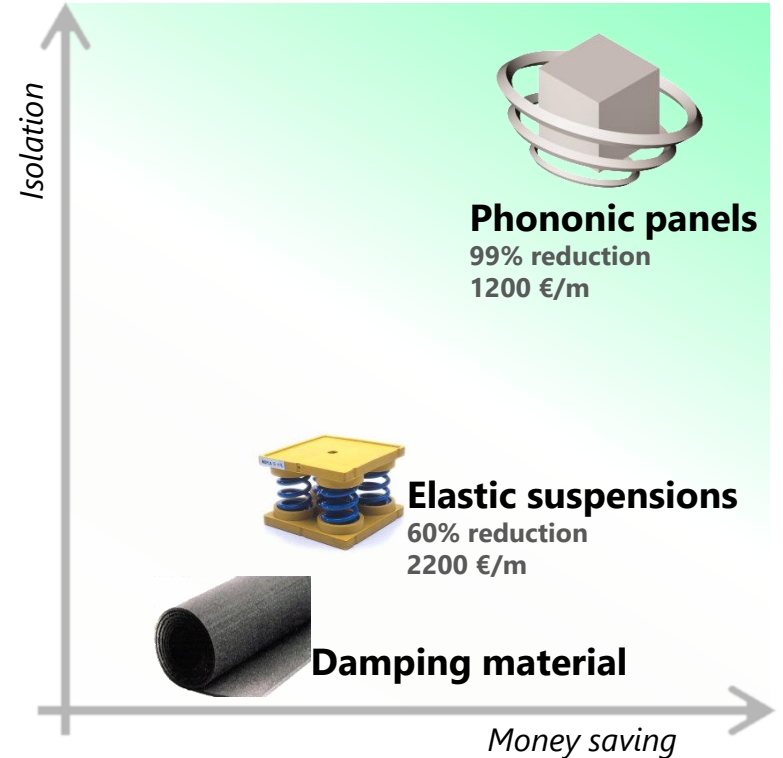
acoustics

vibrations

PRODUCT POSITIONING

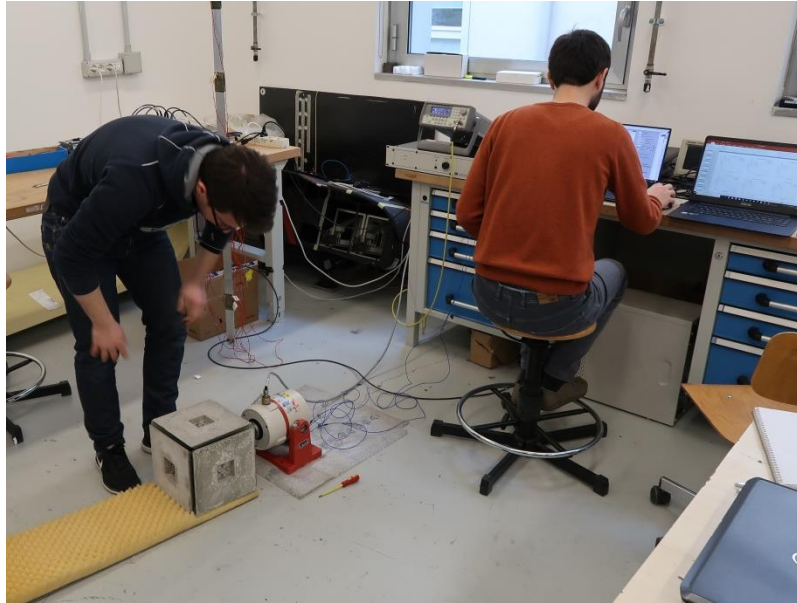
Anti-vibration

Anti-vibrations main players



PRODUCT DEVELOPMENT

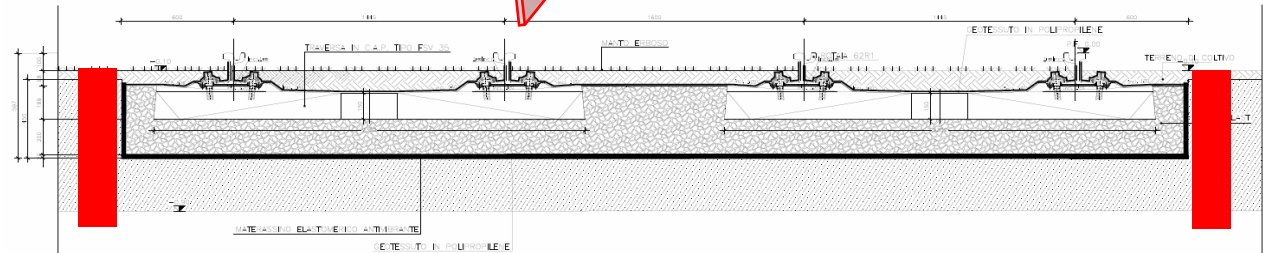
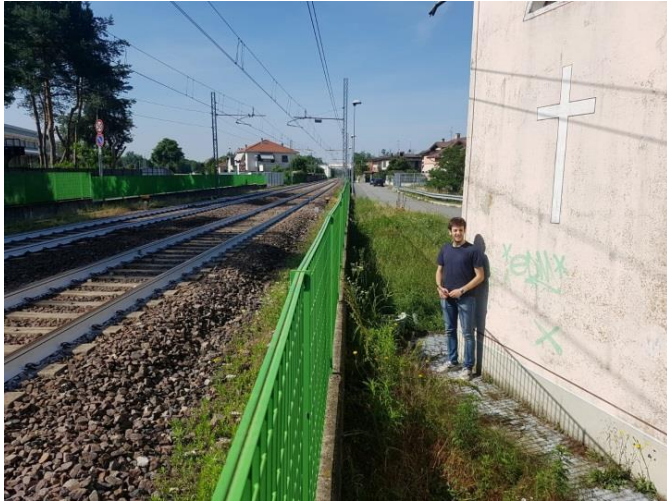
Anti-vibration



RECYCLED PLASTIC
to be incorporated

FIELD TESTS

Anti-vibration - FNM SpA and ATM SpA



OUR SOLUTION

Phononic panels - ACOUSTICS



acoustics

vibrations

EXISTING SOLUTIONS

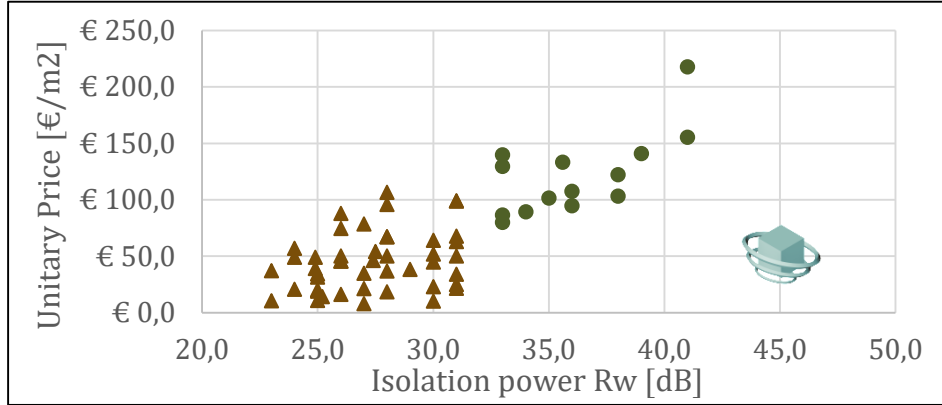
Anti-noise

Anti-noise main players



PRODUCT POSITIONING

Anti-noise



Rockwool – not professional



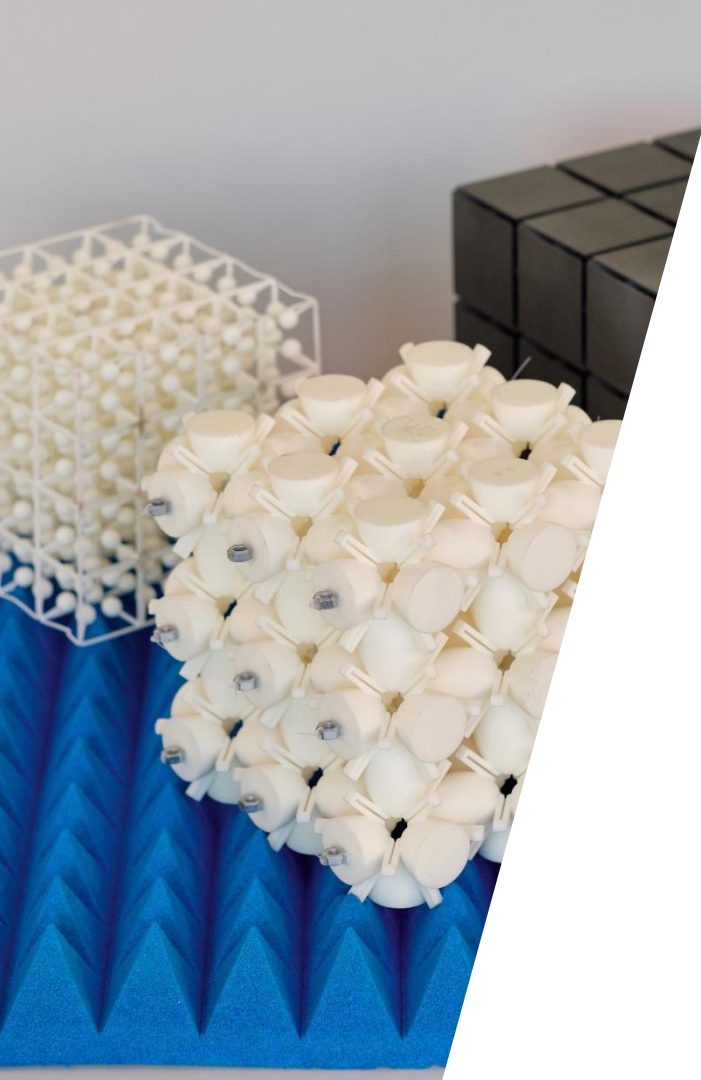
Lead – professional panels



100% recycled material

*[dB] is in Log10 scale!

POTENTIAL APPLICATIONS



WHO WE ARE



POLITECNICO
MILANO 1863



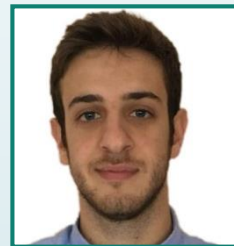
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Technology & process dev.



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McKinsey, Value Partners
Senior business advisor



ROBERTO TIEZZI

Board member
Head of PoliMi TTO
Senior advisor



FRANCESCO BRAGHIN

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Senior technical advisor



ALBERTO CORIGLIANO

Co-founder
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Senior technical advisor



THANK YOU FOR YOUR KIND ATTENTION

Positive MIND

Positive VIBES

Positive LIFE

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