

A woman with blonde hair, wearing glasses and large black headphones, is shown in profile, looking out over a vast, green, forested valley. She is wearing a white t-shirt and a dark blue backpack. The background is a lush, hilly landscape under a clear sky. Overlaid on the image are several thin, dark blue circular lines that intersect and frame the scene. The company logo and name are prominently displayed on the left side.

# TF TAFORTECH

Sustainable Solutions

Acoustic Innovation  
technologies towards a  
sustainable future

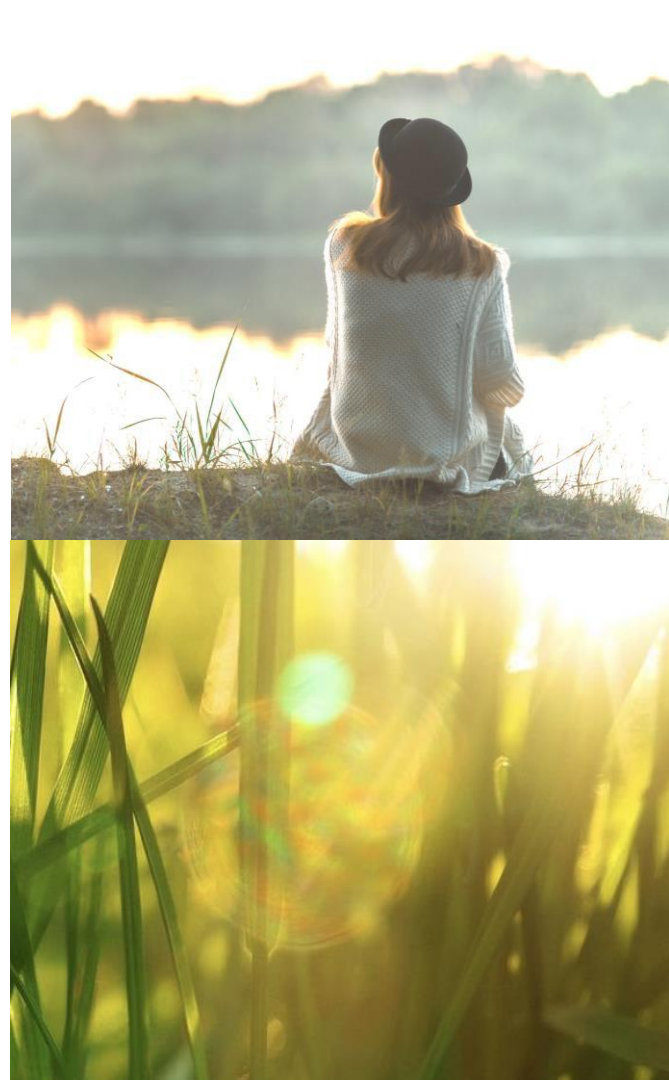


Are we part of the  
**problem?**

or...



are we part of the  
**solution?**





# NOISE POLLUTION

In 2011 the World Health Organization (WHO) released a report titled 'Burden of Disease from environmental noise'.

The authors concluded that 'there is overwhelming evidence that exposure to environmental noise has adverse effects on the health of the population' and ranked traffic noise second among environmental threats to public health.





***"While other forms of pollution are decreasing, noise pollution is increasing"***  
by World Health Organization

# About:

Tafortech was born to develop engineering solutions and technologies surrounding the acoustic sector.

As a newborn sector, people behind companies like Tafortech are the ones innovating and developing new technologies in order to comply with the new regulations.

Governments around the world are implementing these new regulations in order to decrease the noise pollution which is becoming more and more concerning.

We are compromised with a sustainable world giving sustainable solutions

- + 20 years of experience in the sector
- One of a kind & Leader in the sector
- Certified Professionals
- 1st Elliptic Sound Barrier in the world
- Young Entrepreneur Award for Innovation
- AI Software automated experience
- Members of COIT, AEIT & EAA
- Compromised in giving sustainable solutions

# About:



## SOUNDPROOF

Acoustic analysis towards efficient solutions complying with construction and environmental regulations. Significant cost reduction. Smart Noise Control



## ACOUSTIC COMFORT

Analysis of space conditioning to achieve the best room acoustics with great intelligibility, controlling reverberation, background noise and avoiding resonances and echoes.



## NOISE CONTROL

Noise and Vibration Control analysis in any type of activity guaranteeing the compliance of noise and vibration environmental regulations.



## SOUND AMPLIFICATION

Sound Amplification studies to fill a space with the best high fidelity sound, achieving a clear, uniform sound field full range.



TAFORTECH is  
established by pioneers  
in Acoustic Engineering  
with a long professional  
trajectory

**2022**  
**TAFORTECH**

**2012**  
**AWARDS**

Young Entrepreneurs  
Innovation Award

Innovation in Passive Noise  
Control

**+ 10 years  
of  
milestones**

**2015**  
**INNOVATION**

World's 1<sup>st</sup> Elliptical  
Acoustic Barrier  
designed by our CIO

New software  
Implementation of AI  
and New Technologies  
created by Tafortech

**2022**  
**AI by**  
**TAFORTECH**

Acoustic Consultants  
of the GTEP Group

Official Engineers  
Association (COIT)

**2017**  
**PARTNERSHIPS**

Innovation in Active  
Noise Control

**2018**  
**METHOD**

# Areas of Expertise & Implementation

## Government

Acoustic Maps for cities and roads.

Proposals for noise control reduction.

## Industry

Noise and vibration control for workplace, environment and machinery.

## Hotels and Leisure

Acoustic comfort and noise reduction or sound amplification for buildings or leisure spaces.

New construction or building renovation.

## Other

Architects, auditoriums, recording studios, open field events, concerts, sport facilities, automotive, army, shopping malls, among many others!



# Join the family of brands that trust Tafortech





**Why Implement Acoustic Technologies on your plans?**



## Saving

Our Acoustic Engineering Studies allows the control of the minimum reinforcement insulation solution for each noise propagation path. We use the least amount of material with an intelligent thickness design of air chambers and cushioning systems. We treat only the propagation paths that needs it. All of this results in a minimum use of materials for a maximum performance, saving in the final investment.



## Assurance

At Tafortech we guarantee that the proposed building solutions are the minimum you need to avoid unnecessary additional costs and investment loss. Our calculations are contrasted with 3D Beam Tracing simulations, and the result can also be contrasted in situ (ISO12354) Method. We comply with the environmental and building regulations.



## Quality

Telecommunication Engineers are the only ones that study the Wave Phenomenon in the Acoustic Engineering field. In addition to the endorsement by the Official College of Telecommunication Engineers COIT included, we guarantee the acoustic result with our civil liability insurance with a worldwide coverage of 1.100.000€.

Since our establishment in 2007 our acoustic studies have been 100% successful.







**TAFORTECH**  
**AI**

Artificial Intelligence  
&  
Acoustic Intelligence

# AI by Tafortech

Our very own  
Acoustic Intelligence

After years of R+D+i we have managed to combine our innovative engineering methods with a new engine calculator of maximum precision, achieving total noise control, acoustic comfort, and material savings through a complete Acoustic Noise Control Render.

Using our own reverse engineering methods, linking to big data databases, cloud computing, geolocation, and our new AI system; we have endowed the system with Acoustic Intelligence.

We have managed to create the first artificial intelligence system focused on acoustics

# AI by Tafortech

Our very own  
Acoustic Intelligence

## No room for errors

With the software and AI there is 100% accuracy in the measurements and calculations

## Time Optimization

What took 1 month to develop now takes only a few hours.

## 3D Generator

All plans generated in 3D with the latest technology for a clear vision of the final image.

## Installation Set Up

It gives you clear 3D instructions in the installation set up, so we assure the correct implementation on site.

## Materials Breakdown

Gives an automatic breakdown of all main and secondary materials needed, quantity and local suppliers.

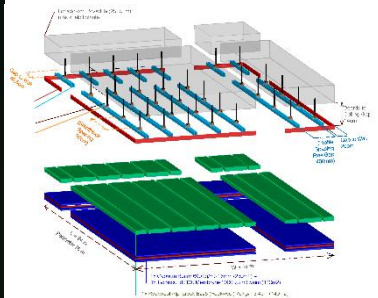
## Check Points

Generates check point technical sheets to help with Project management.

Our new software with unique feature only offered by  
Tafortech globally

Join the revolution towards 4.0 Industry





Load Reserve  
+ 5,1 Kg/m<sup>2</sup>  
+ 2 Kg/Silentblock

On-Site Control  
0,4 cm  2 cm

Acoustic Performance



# AI by Tafortech

Our very own  
Acoustic Intelligence



We have equipped our maximum precision calculation engine with own reverse engineering methods, with access to geolocation and database, and also with Artificial Intelligence to be able to select straightaway and prior to the 3D Render, the specific acoustic goals to be applied, the optimal construction solution of all possible depending on the construction restrictions (maximum thicknesses, profiles type, profiles spacing, ...) and other customer objectives (aesthetics, performance, ...)



TAFORTECH  
**TECHNOLOGIES**

Tafortech applied for solutions

# Tafortech Technologies

For personal comfort, environmental considerations or legal compliance.

## Acoustic Quality

Achieve acoustic comfort with the highest performance at minimum cost

## Active Noise Control

Reduce sound emissions or improve quality and clarity of the sound with specific tech equipment



## Cost Optimization

Guarantees on minimal sound emissions with minimal materials and less cost

Construction solutions specifically designed for you

## Passive Noise Control





## Any Question?

You can find us at:

[info@tafortech.com](mailto:info@tafortech.com)