

The  
**COMPANY  
PROFILE**  
2023 

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# ABOUT US

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Located in Limassol, we proudly stand as Cyprus's premier Acoustic Consulting firm. With over a decade of experience dedicated to the acoustic industry, we've perfected the art of balancing sound and space. Our journey is marked by a portfolio of successful projects, encompassing commercial, residential, and industrial ventures, each requiring the utmost precision in acoustic design.

At CYACOUSTICS, we're experts in the realms of noise, vibration, and electroacoustics. Our mission is simple: to deliver high-quality services, offering all-inclusive solutions at a fair and competitive cost. Our unwavering commitment to excellence has paved the way for our continuous growth, both in business and scientific achievement.

Join us as we transform soundscapes and redefine acoustic environments.  
Your journey to superior sound begins here.

# OUR STORY





# OUR SERVICES

- // Architectural Acoustics
- // Building Services Acoustics
- // Electroacoustics
- // Environmental Noise
- // Acoustic Measurement and Testing
- // Acoustic Simulation
- // Regulation, Legal and Assessment of Noise



# // ARCHITECTURAL ACOUSTICS

## Building & Room Acoustics

Architectural acoustics, also known as room or building acoustics, is the scientific pursuit of achieving exceptional sound quality within a structure/space. Its applications are diverse, ranging from ensuring clear speech intelligibility in theaters, restaurants, and offices, to elevating the musical experience in bars and venues, and mitigating unwanted noise to create more conducive and pleasant living and working spaces.

In today's architectural landscape, the importance of effective acoustical design cannot be overstated; it is not a luxury but a necessity. Acoustics profoundly influences various aspects of our lives, impacting employee productivity in office spaces, the quality of performances in auditoriums, the overall living experience in apartments and houses, as well as concentration levels in educational institutions and healthcare facilities.

Our team of acoustic consultants and engineers meticulously examine architectural and engineering blueprints, conducting in-depth analyses of acoustic impacts. We provide recommendations for achieving optimal acoustic designs that adhere to both international and national acoustic standards. Employing precise calculations, methods, and tools, we evaluate aspects such as sound transmission, absorption, reflection, diffusion, and vibration, tailored to the specific requirements and challenges of each project. Our objective is to collaborate with architects, engineers, managers, and property owners to optimize the acoustical environment, ensuring a high standard acoustic result for all cases.

### OUR SERVICES INCLUDE:

- Room Acoustics
  - Airborne and structureborne noise insulation
  - Acoustic Materials Library
  - Acoustic Solutions
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# // BUILDING SERVICES ACOUSTICS

## MEP Noise Control

Mechanical, electrical, and plumbing equipment can generate noise and vibrations both within and around a building. As a result, the design of the installation site should place significant emphasis on the intended uses of this equipment, with the goal of establishing and meeting acceptable noise levels (according to acoustic criteria) in the occupied areas of the building and its surrounding environment.

The essential approach involves identifying the sources of noise, recognizing different transmission pathways, and understanding the conditions experienced by those affected by the noise. Once this information has been collected, it becomes possible to assess and prioritize each noise and vibration component, while considering acoustic solutions and specialised consultation.

Noise propagates from its sources through various routes, including air distribution piping systems, the building's structure, and combinations of these pathways. Mechanical system components can all produce sound due to the airflow characteristics around them.

Furthermore, mechanical equipment can generate vibrations that travel throughout and around the building. Therefore, controlling vibrations and managing noise related to building services are both critical aspects of mechanical noise control, necessitating the proposal of acoustic measures.

CYAcoustics possesses the requisite experience, expertise, tools, and software to thoroughly examine engineering drawings and provide appropriate acoustic solutions and recommendations at various stages of a project, whether during the design, construction, or post-construction phases.

### OUR SERVICES INCLUDE:

- HVAC and Plumbing Noise Reduction
- Vibration Noise Control
- Outdoor Mechanical Equipment Noise Reduction
- Plant Room Insulation Design
- Façade Silencers, Barriers and Louvers Calculation and Simulation




# // ELECTROACOUSTICS

## Music and Speech Design

Electroacoustics is a specialized branch of acoustics that focuses on the study and practical application of the interplay between electrical and acoustic phenomena. Its primary purpose is to explore the conversion of acoustic energy, represented by sound waves, into electrical energy, in the form of analog or digital signals, and the reverse process. In simpler terms, it's all about transducing sound into electrical signals and vice versa.

This field holds a pivotal role within the audio industry, as it encompasses the development of audio equipment, advancements in recording technology, and the enhancement of sound reinforcement systems. Beyond these conversions, electroacoustics encompasses a broad spectrum of activities related to acoustic events. This includes the generation, storage, amplification, transfer, and transmission of sound. Notably, electroacoustics seamlessly integrates with virtually all other subfields of acoustics, primarily due to the extensive use of electro-acoustic components, particularly in the domain of acoustic measurement technology.



At CYAcoustics, we leverage cutting-edge computer software to model both existing and new designs, allowing us to predict their performance accurately. Additionally, we employ advanced computer-based measurement tools to precisely quantify the electroacoustical capabilities of handmade prototypes. This comprehensive approach empowers our clients with speaker systems optimized for reproducing speech, choral music, contemporary music, and more, tailored to suit a variety of room types and spaces.

### OUR SERVICES INCLUDE:

- Speaker System Design and Planning.
- Custom Loudspeaker Design.
- Home Cinema Detailed Design.
- Music Studio Detailed Design
- Surround System Positioning and Sound Tests.
- Live Music Sound Measurements.
- Hearing Induction Loops Design
- Evacuation System Measurements

# // ENVIRONMENTAL NOISE

Measurement, Prediction, Control

Environmental noise refers to the presence of unwanted or harmful sound in the environment that can disrupt normal activities, harm human health, or disturb wildlife. It is typically the result of various human activities and natural processes, and it can vary in intensity, frequency, and duration. Common sources of environmental noise include Transportation, industrial and construction activities, recreational activities, public infrastructure, nightlife activities and natural sources. Excessive exposure to environmental noise can have adverse effects on human health, including stress, sleep disturbances, hearing damage, and communication difficulties. It can also disturb wildlife, affecting their behavior, migration patterns, and reproductive success.

CYAcoustics is dedicated to tackling environmental noise concerns by employing a multifaceted approach involving measurement, prediction (through modeling), and control, offering tailored acoustic solutions. Efforts to mitigate environmental noise often entail the use of sound barriers, noise-reducing technologies, urban planning strategies and zoning regulations, as well as public awareness campaigns focused on noise control and reduction.

With a comprehensive toolkit of noise and vibration measurement equipment, specialized acoustic software for simulation and analysis, and extensive experience in the industry, CYAcoustics is well-prepared to assist architects, industrial planners, environmental engineers, and clients in comprehending and assessing the impact of noise on their projects.

## OUR SERVICES INCLUDE:

- Environmental noise measurement and monitoring
- Vibration measurement and monitoring
- 3D Noise mapping and simulation
- Noise compliance and community relations
- City and Community Noise Modeling
- Acoustic Solutions



# // ACOUSTIC MEASUREMENT AND TESTING

Noise, vibration, audio

Acoustic measurements and testing involve the quantification and evaluation of sound and its properties in various environments and applications. These measurements are essential for assessing and controlling noise and vibration levels, ensuring the appropriate study and consultancy in the various aspects of acoustics, according to acoustic criteria and requirements.

CYAcoustics specializes in conducting various measurements and tests, employing specialized equipment that adheres to National, European, and International acoustic standards. Our services encompass a broad spectrum, including environmental noise assessment, interior noise evaluation, airborne and impact insulation testing, sound absorption measurements, vibration analysis, and audio equipment testing. These services are offered for both indoor and outdoor environments, such as construction sites, factories, residential buildings, schools, offices, and more.

To deliver the most accurate and reliable results, we employ state-of-the-art acoustic tools and software for the analysis of our measurements and testing data. This ensures that we can provide a scientifically acoustic evaluation, valid outputs, and appropriate consultancy for every project or task.

## OUR SERVICES INCLUDE:

- Airborne sound insulation measurements
- Impact sound insulation measurements
- Room acoustics measurements
- Vibration measurements
- Short and long noise measurements
- Unattended noise monitoring station
- Urban noise monitoring and noise mapping

# // ACOUSTIC SIMULATION

Modelling, Simulation & Auralisation

Acoustic modeling is the process of creating mathematical or computational representations of the way sound propagates in a given environment. This involves simulating how sound waves interact with objects, surfaces, and the air in a particular space. Acoustic modeling is used to predict and analyze how sound behaves in different settings, such as concert halls, recording studios, classrooms, or outdoor environments. It can be used to design and evaluate the acoustic performance of spaces, including assessing factors like reverberation time, sound absorption, and sound isolation.

Acoustic simulation is a practical application of acoustic modeling. It involves using computer software or mathematical models to simulate how sound behaves in a specific environment or under certain conditions. Acoustic simulation finds diverse applications in fields such as Architectural Acoustics, Noise Control, Audio Engineering, and Environmental Noise studies.

CYAcoustics leverages a range of specialized software tools and advanced algorithms to create precise forecasts of sound behavior within specific scenarios. These predictions empower engineers and designers to make informed decisions regarding the design, construction, and operation of acoustic systems and environments. This valuable insight allows for the optimization of acoustic qualities in both indoor and outdoor spaces.

## OUR SERVICES INCLUDE:

- Acoustic Modelling.
- Acoustic Simulation for indoor and outdoor cases.
- Acoustic Modelling and Simulation for acoustic systems/materials.
- Acoustic Auralisation.
- 2D and 3D sound mapping.



# // REGULATION, LEGAL AND ASSESSMENT OF NOISE

Legal advice & Quantitative evidence

CYAcoustics consultancy services (measurements, criteria, study, solutions) follow national, European and international acoustic regulations and standards. Regulations are a set of rules, standards, and guidelines established by government authorities or other regulatory bodies to control and manage noise levels in various environments and situations. Compliance with acoustic regulations is important to prevent excessive noise and its negative impacts on public health and well-being.

If you're currently grappling with noise issues stemming from sources such as traffic, music, or machinery, or you're facing noise complaints from neighbors, local authorities, or regulatory agencies, seeking legal guidance is crucial. Understanding your rights, responsibilities, potential liabilities, and effective strategies for resolving these complaints is essential.

When it comes to acquiring legal advice related to acoustics, CYAcoustics stands out with its specialization and extensive experience in addressing noise-related legal matters. Our experts are well-equipped to provide valuable insights on how to navigate the intricate legal landscape surrounding acoustics.

We offer assistance in achieving compliance with noise regulations, representing your interests in legal disputes, and aiding you in comprehending your rights and obligations in various acoustics-related scenarios.

It's important to note that legal advice should form the foundation of a noise and vibration assessment, which entails a systematic evaluation of the noise environment in a specific location or area. The primary objective of such an assessment is to meticulously measure, analyze, and document various aspects of noise in accordance with specific acoustic criteria.

## OUR SERVICES INCLUDE:

- Site surveys in accordance with appropriate standards and criteria.
- Modelling noise impact
- Preparation of evident and detailed reports
- Preparation of Witness Statements, Proof of Evidence writing, etc.
- Attendance at council meetings, public enquiries, licensing hearings, courts of all types.
- Negotiated settlements, meetings of experts, conditions.



# OUR **PROJECTS** ANALYTICALLY

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2011

Tepak – Symeon Building- Limassol  
Petrol Station Ayias Fylaxeos- Limassol  
Tepak Library Phase A- Limassol

2012

Aliathon Village Hotel- Paphos  
Coca Cola – Nicosia  
Cypria Maris – Limassol  
Strovolos Municipal Library- Nicosia  
Grand Futur – Limassol  
HUB Engineering Platform- Limassol  
Marys Vegies – Limassol  
Tepak Library Phase 2- Limassol  
Nice Day Noise Servay- Nicosia  
Trachoni Park- Limassol  
Rozalia Residential Buildong- Limassol  
Poseidonia Hotel- Limassol  
Limassol Munisipality Waste Refuge  
Survey- Limassol  
Trading Point XM HQ- Limassol

2013

CGT Bussiness Centre- Limassol  
Coralli Hall – Nicosia  
Jan Nuvel Tower 25 Noise Survey-  
Nicosia  
Marinos Nicolaou Clinic- Limassol  
Lavida Club- Limassol  
Nice Day Acropolis- Nicosia  
Nice Day Look- Nicosia  
Petrol Station Omonias – Limassol  
RCB HQ- Limassol  
Tepak Computer Centre

2014

Distrikt Club – Larnaca  
Entertainment Club – Larnaca  
Fagaropetra Event Hall- Limassol  
Frema Building – Limassol  
GCO Café Bar- Limassol

# OUR **PROJECTS** ANALYTICALLY

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2015

Aperitivo - Nicosia  
Coralli - Athanasiou - Limassol  
Agia Fyla Gymnasium- Limassol  
Casale Panayiotis Phase A- Nicosia  
Lanitio Theatre - Limassol  
Minatory Sports Hall - Ukraine  
Olympic Lagoon Resort Phase B Paphos  
Monastery of Orounda- Nicosia  
PWC - Nicosia  
Aphrodite Hills Private Residence-  
Paphos  
St Marinas Church - Limassol  
Starlighr Event Hall - Protaras  
Ioakeim Music Studio- Limassol

2016

Amdocs HQ- Limassol  
Athens Status Suits - Athens  
Avli Tou Vasilea - Limassol  
Blue Ocean- LimassolResidential Com-  
plex - Budapest  
Carrefour - Limassol  
Duomo Restaurant - Paphos  
Hellenic Back HQ- Limassol  
Hellenic Bank Eggomi 139- Nicosia  
Zakaki Factory- Limassol  
Foleys School- Limassol  
Frankies Social Bar- Limassol

Private Residence Noise Survey  
IKOS Building- Limassol  
PMA offices - Limassol  
Lambadistis Winery- Nicosia  
Remedica Factory - Limassol  
Royal Pine - Limassol  
SBLA - Limassol  
Story Club- Limassol  
Sxoliki Efforia Survey - Limassol  
BOX 42 - Nicosia  
WTC Limassol- Limassol  
XM Trading Ponit Phase B- Limassol

# OUR **PROJECTS** ANALYTICALLY

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## 2017

Cyfield Central Park - Nicosia  
Cyfield City Home 85 - Limassol  
Crossfit Rogue Force- Limassol  
Delmar- Limassol  
Eden Roc- Limassol  
Elias Hotel- Limassol  
Foleys Theatre- Limassol  
Kronospan Cyprus HQ - Limassol  
Hellenic Bank HQ- Nicosia  
Kanika Amavi Hotel Paphos  
Katsis Law Firm - Limassol  
La Isla Limassol- Limassol  
Private Home Cinema - Limassol  
Marfields Olympic Resort- Limassol  
Nanou Donuts - Limassol

Olympic Lagoon - Ayia Napa  
Pafilia HQ- Paphos  
Private Piano Room- Limassol  
Prime HQ- Limassol  
Radisson Blu- Larnaca  
SEM Amphitheatre- Nicosia  
Sigma Bakery's Factory- Limassol  
Sky Tower- Limassol  
Splash By The Beach- Limassol  
Limassol Schools EA survey- Limassol  
The Icon- Limassol  
The Trilogy- Limassol  
White Leaf Photography - Limassol  
Zoo Club - Nicosia

## 2018

Ajax Hotel- Limassol  
AITE - Limassol  
Amdocs Nicolaou- Limassol  
Private Residence- Limassol  
Areti Haridimou Law Firm- Limassol  
BDO Building- Limassol  
Bistro 55- Limassol  
Box 42 Bar- Nicosia  
Breeze Summer Club- Limassol  
Casino C2 - Limassol  
Central Park - Nicosia  
Exness HQ- Limassol  
Lavar Logistics- Limassol  
Lefkothea Hall - Limassol

Mercantile Maritime London - UK  
Measoria Restaurant - Limassol  
Minthis Hills Wellness- Paphos  
Minthis Hills Taverna- Paphos  
Prime New Offices - Limassol  
Safebulkers Building - Limassol  
Sklavenitis 2- Limassol  
Impulse Dance Studio - Limassol

# OUR **PROJECTS** ANALYTICALLY

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## 2019

Agora Limassol Center- Limassol  
Kanika Made For 2 – Ayia Napa  
Garden Restaurant – Paphos  
Heart Boutique Hotel – Limassol  
Limassol Main Casino Bream  
Certification – Limassol  
Internodium House – Limassol  
Napa Suits Butique Hotel – Ayia Napa  
Nicosia Town Hall – Nicosia  
SBLA West Terminal – Limsssol  
State Club – Nicosia  
ZEN Room- Limassol

WOK N ROLL Restaurant – Limassol  
Property Box Development – Nicosia  
Louis Hotels – Imperial Restaurant  
Press and Information Office – Nicosia-  
MetaQuates – Nicosia  
Tokayo Restaurant – Nicosia  
Jolly Joker – Nicosia

## 2020

Atlanctica Bay – Limassol  
Atlanctica Mare Village – Limassol  
Atlanctica Oasis – Limassol  
ATLAS Offices – Limassol  
Cap St George Hotel – Paphos  
Clinic – Limassol  
Exness Offices – Limassol  
FuelHouse Fitness Studio – Limassol  
Hellenic Bank- Nicosia  
Jumbo – Craiova  
Lanitio Theatre – Limassol  
Malibu Apartment- Limassol

Moniatis Residence – Limassol  
Rodinis Residebce – Limassol  
Othonos Offices – Limassol  
Petit Palais Hotel – Limassol  
Propyleon Hotel – Limassol  
SOHO Resort – Paphos  
The Edge Offices – Limassol  
Tower 360 – Nicosia  
Vison Soft – Limassol  
Weddings Venue – Larnaca  
Bus Station – Paphos

# OUR **PROJECTS** ANALYTICALLY

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2021

Amdocs Offices- Limassol

Anexartias 61 Residential Building –  
Limassol

Association of Builders Contractors of  
Limassol – Limassol

Ayia Napa Marina MEP Floor – Ayia  
Napa

Brown Hotel – Limassol

CDA IBC Offices – Limassol

Coralli Residential Building – Limassol  
Church – Paphos

Exness Santa Barbara Offices –  
Limassol

Ministry of Finance – Nicosia

Flairs Cocktail Bar – Limassol

IQ Option Offices- Limassol

The Garden Restaurant & Lounge Bar –  
Paphos

Garden Day and Night Restaurant –  
Nicosia

Imperio Offices- Limassol

Ivory All Day Concept – Nicosia

Private Residence- Limassol

Plot 528 Residential House – Paphos  
Lanitis Aristophanous Offices –  
Limassol

Minerva Insurance Offices – Larnaca

MUSKITA Aluminium Industries –  
Limassol

Nexters Offices – Limassol

Olympic Residence – Limassol

Opera House Villa – Limassol  
Recording  
Studio – Limassol

Ritz-Carlton Residences – Limassol

Sport Centre Glavkos Kleridis –  
Limassol

Urban Noise Control Office – Limassol

Villa Trio Residential – Limassol

Voco Hotel – Larnaca

XBT Offices – Limassol

Zambartas Winery – Limassol



# OUR PROJECTS ANALYTICALLY

2022

Amdocs Offices- Limassol  
Avenue 15 Offices- Limassol  
Ayia Napa Marina Tower – Ayia Napa  
Cap St George Church – Paphos  
Cap St George Presidential – Paphos  
Compass Maple Residential House – Limassol  
Cyprus Army Firing Range – Nicosia  
Del Mar Penthouse – Limassol  
Hyperio Offices – Limassol  
Kanika Made For 2 – Ayia Napa  
Kolossi Municipality – Limassol  
Lithos Concept Bar - Limassol  
Loud Music Festival – Limassol  
Louise Bar - Limassol  
Modern School- Limassol  
Penteli Hotel – Limassol  
Mediterranean Shipping Company- Limassol  
Private Residence- Limassol  
Proavlio Restaurant - Limassol  
St Raphael Hotel – Limassol  
Technological University of Cyprus – Limassol

2023

Ayia Napa East Tower MEP – Ayia Napa  
BBF Matisse Residence – Limassol  
Breeze & DelMar – Limassol  
BBF Capri – Limassol  
City of Dreams Mediterranean Casino – Limassol  
Crown Plaza Hotel – Limassol  
Deryneia Theatre – Ammochostos  
Gatsby Hotel – Athens  
Golden Coast – Ammochostos  
Home Cinema Villa 61 – Limassol  
Katsis Office – Limassol  
KOAP Office – Paphos  
Mandarine Park Tower – Limassol  
Martingale Plaza – Limassol  
Dimotikes Polikatikies – Limassol  
Obelis Oval Offices – Limassol  
Palm Beach Hotel – Larnaca  
Peratiti Venue – Nicosia  
Ritz Carlton Tower – Limassol  
Sigma Bakeries – Limassol  
Sveltos Residence – Larnaca  
The Access – Limassol  
Trilogy Tower sales office – Limassol  
Villa 60 Marina – Limassol  
Wine Bar - Paphos

# CYACOUSTICS

Sound & Acoustic Consultants

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