



2025

COMPANY PROFILE

www.reverbioacoustics.com



Reverbio Acoustics Pvt. Ltd., headquartered in Chennai, India, is a professionally driven acoustic consultancy firm. Formerly operating as 'Autrix Acoustics,' the company has now been re-registered under its new identity as Reverbio Acoustics Pvt. Ltd. Established with a vision to redefine the standards of acoustic design and engineering, Reverbio brings extensive expertise in delivering innovative solutions across architectural, interior, environmental, and MEP acoustics.

About Us

We specialize in optimizing the acoustic performance of built environments—from conceptual design through to implementation and post-installation validation. Our approach combines in-depth technical knowledge with practical understanding of project constraints and regulatory requirements.



Over the years, we have collaborated with consultants, manufacturers, architects, developers, and institutions to craft acoustically efficient and sustainable environments across various sectors, including residential, healthcare, hospitality, education, worship, stadium, and industrial spaces.

Our consulting philosophy is rooted in precision, innovation, and sustainability. We utilize cutting edge tools and customized own tools and strictly adhere to international standards focusing on sustainability for noise and vibration control.



MISSION

- Provide sustainable acoustic solutions
- Meet target values for diverse project needs
- Align global sustainability standards
- Ensure clear audibility and user comfort
- Focus on client satisfaction and project success

VISION

- Lead in sustainable and innovative acoustic consultancy
- Set standards in environmental and acoustic excellence
- Design spaces that elevate sound quality and user experience



Our Team

ILAYARAJA RM - DIRECTOR

Results-driven Engineering Leader with 22+ years of international experience in electrical systems, operations management, and industrial plant supervision across India, Singapore, and the Middle East. Proven expertise in project execution, supplier coordination, and delivering turnkey acoustic-integrated solutions across industrial, solar, trading, and electromechanical sectors. Currently spearheading strategic operations at Reverbio Acoustic Consultancy & Solutions.

VENKATARAMAN R - TECHNICAL DIRECTOR

Mr. R. Venkatraman is a seasoned Acoustic Consultant with over 30 years of expertise in acoustics, noise, and vibration control. As the founder of PS Associates, he has built the firm into a trusted leader in India, delivering innovative and reliable end-to-end acoustic solutions now associated with Reverbio acoustics as Technical Director. With more than 250 successful projects for clients such as AVL, Royal Enfield, Mahindra & Mahindra, Hyundai, Nissan, Caterpillar, Bosch, Titan, and Piramal, his work spans: anechoic chambers, test facilities, industrial noise control, architectural acoustics, vibration isolation, and specialized enclosures. Renowned for his hands-on approach and technical excellence, he ensures every project meets international standards (ISO, ANSI, ASHRAE). His leadership continues to shape sustainable, high-performance acoustic environments across industrial, commercial, residential, hospitality, and infrastructure sectors.

RAJ NIRMAL - OPERATIONAL LEAD

Dynamic and detail-oriented Civil Engineer with 9+ years of hands-on experience in infrastructure, solar, HVAC, acoustics, interior fit-out projects. Proven track record in site management, structural supervision, material logistics, and client coordination. Adept at leading cross-functional teams, ensuring quality compliance, and delivering projects on schedule. Seeking to contribute expertise to a forward-thinking organization.

KANNAPPAN PANDIAN - ACOUSTIC CONSULTANT

Acoustic Consultant with 5+ years of specialized experience in architectural, building, interior, MEP and environmental acoustics, backed by a Mechanical Engineering background. Proficient in noise and vibration control, acoustic modelling, and compliance acoustic design & validation across diverse project typologies. Skilled in using industry-standard simulation tools like INSUL, EASE, CADNA A, Noise tools, Trance, Swegon, HVAC noise prediction tool etc to deliver optimized sound insulation, reverberation control, and user-centric acoustic environments. Adept at integrating acoustical strategies into MEP systems and architectural workflows to ensure regulatory compliance and acoustic excellence.

Mr. R. Venkatraman

Technical Director – Reverbio Acoustics

Mr. R. Venkatraman is a highly accomplished Acoustic Consultant with over 30 years of proven expertise in acoustics, noise, and vibration control. As the founder of PS Associates, he has built one of India's most trusted acoustic consultancy and turnkey execution firms, now associated with Reverbio Acoustics as Technical Director.

Under his leadership, the firm has successfully delivered 250+ projects across industrial, architectural, and research acoustics, ensuring each solution meets stringent international standards such as ISO, ANSI, and ASHRAE. His reputation for technical precision, innovative problem-solving, and hands-on involvement has positioned as a leader in high-performance and sustainable acoustic environments.

Specialization:

- Architectural & Building Acoustics
- Room Acoustics (Interior Acoustics)
- Industrial Noise & Vibration Control
- MEP / HVAC Acoustics & Silencer Design
- Anechoic & Semi-Anechoic Chambers
- Acoustic Doors, Enclosures & Panels
- Environmental Noise Assessment
- Acoustic Testing & Performance Validation

Key project experience

AVL India Pvt. Ltd. – Chennai & Pune

Design, fabrication, and installation of engine test cell acoustic enclosures, semi-anechoic chambers, and noise control systems meeting international automotive NVH standards.

Royal Enfield – Oragadam & Vallam Vadagal

Execution of vehicle and component test facilities

Mahindra & Mahindra – Research Valley, Chennai

Delivered acoustic isolation and soundproofing solutions for R&D; test labs, dynamometer rooms, and prototype testing bays.

Hyundai Motor India Ltd. – Sriperumbudur

Development of noise-controlled engine test cells and acoustic silencer systems for production and QA testing environments.

Nissan Motors India Pvt. Ltd. – Oragadam

Design and construction of semi-anechoic and reverberation chambers for NVH testing and validation applications.

Caterpillar India Pvt. Ltd. – Thiruvallur

Industrial noise mitigation and heavy-duty acoustic enclosure systems for engine testing and manufacturing operations.

Bosch Ltd. – Bengaluru & Chennai

Complete acoustic treatment for testing laboratories and product development facilities including high STC partitions and floating floors.

Titan Company Ltd. – Hosur

Customized acoustic chamber and noise evaluation setup for product R&D; and quality testing.

Piramal Pharma Solutions – Chennai

Architectural and building acoustic design for controlled laboratory and process areas meeting regulatory standards.

Mr. Kannappan Pandian

Acoustic consultant - Reverbio Acoustics

Accomplished Acoustic Consultant with over 5+ years of experience and a Bachelor's degree in Mechanical Engineering. Skilled in acoustic design, validation, modelling, noise control, and vibration analysis, with a proven ability to design effective soundproofing solutions and collaborate with cross-functional teams. Proficient in advanced simulation software and aim to optimize acoustic performance, ensure compliance with industry standards, and leverage technology to drive project success and enhance user experience.

Specialization:

- Architectural & Building Acoustics
- Room Acoustics (Interior Acoustics)
- Construction Noise & Vibration Control
- MEP / HVAC Acoustics & Silencer Design
- Environmental Noise Assessment
- Acoustic Testing

Software skills:

- INSUL
- CADNA A
- EASE
- Noise tools
- HVAC noise prediction tool
- Swegon
- Trane

Certifications:

- Eco District Accredited Professional
- NPTEL - Law of Thermodynamics
- NPTEL - Introduction to Composite materials
- Industrial design process and development - CATIA

Key project Experience

- View Hospital, Qatar
- Jeddah stadium, KSA
- Command & Control Centre, Dubai
- Canal Heights 01, Dubai
- AnNajah University, Palestine
- Almina Villa, Abu Dhabi
- Kidney Hospital, Qatar
- Spanish Villa, Dubai
- Tatweerschool-Multipurposehall, Qatar
- Commercial Boulevard, Qatar
- Doha Oasis residence, Qatar
- Aman Hospital, Qatar
- AlDuhail stadium, Qatar
- AL Sadd health enter, Qatar
- Qatar Foundation-VIP lounge
- Al Futtaim private beach villa, KSA
- MBZ Residential tower, Dubai
- Holiday Inn hotel, Dubai
- MRF workstation, Chennai
- SRM Tech tower II, MPH, Chennai
- Palm Villa, Nakhlat Jumeriah
- Community centre building, Dubai
- Qatar Media Studio, Qatar

Our Services

Acoustic design

The acoustic design process covers all key project stages, beginning with pre-concept evaluation of site orientation, external noise risks, and sustainability goals; concept stage definition of acoustic criteria (RT, STC, NC), spatial planning, and façade performance; schematic design recommendations for partitions, reverberation control, and mechanical noise mitigation supported by preliminary modeling; detailed stage delivery of layouts, specifications, flanking control, and authority-compliant reports; and tender/IFC stage preparation of BOQs, performance-based specifications, vendor compliance reviews, and mock-up evaluations—ensuring fully integrated, performance-driven acoustic solutions. Assess compliance with local standards and green rating systems.

Acoustic review / validation

We offer third-party acoustic reviews to ensure design, construction, and site conditions meet project goals and regulatory standards; validation/review services include: Drawing reviews (architectural, interior, MEP) for acoustic compliance

Validation of insulation, reverberation, and noise criteria

Simulation analysis using tools & clear compliance reporting with actionable insights
Value engineering support without compromising performance

Ideal for green certifications, project handovers, and contractor accountability.

Acoustic Pre/post bid advisory

Focus areas include strategic planning and proposal support through review of project requirements, tender scope, and BOQs, identification of potential acoustic issues, and advisory on cost-effective design solutions with technical proposal inputs. Further support extends to clarifications, contract readiness, and execution.

covering technical/commercial queries, value engineering of acoustic systems, preparation of submittals and RFIs, client/contractor coordination, and development of mock-up strategies, testing plans, and method statements to ensure smooth project delivery.

Acoustic Machinery installations

Our installation execution support covers a wide range of critical equipment, including Chillers (both air-cooled and water-cooled), cooling towers, diesel generator (DG) sets, hydraulic pumps, and HVAC units. Ensuring proper handling, alignment, vibration isolation, and acoustical compliance during installation.

In addition, we extend our expertise to the execution support of heavy industrial machinery, offering technical guidance for foundation preparation, mounting systems, noise and vibration control measures, and performance validation to achieve reliable and efficient operation.

Core Expertise



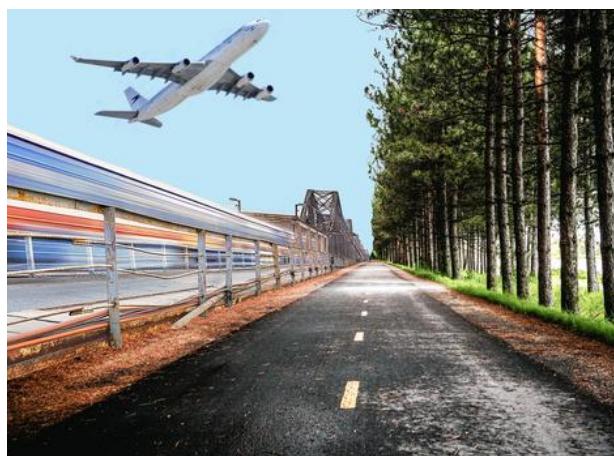
Building / Architectural acoustics



Interior / Room acoustics



MEP acoustics



Environmental noise assessment



Construction noise & vibration



Acoustics machinery installation

Sectors Serving

Office buildings



Residential



Stadium



Commercial



Mosque



Auditorium



Theater



Indoor sports hall



Night life venue



Mall



Educational center



Industries



Data center



Hotels



Restaurant



Multipurpose hall



Our Key works



Project

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[NEXT]

Jeddah Central Development stadium



Project Location: KSA

Scope: Acoustic design

PROJECT SCOPE:

RIBA Stage 03 – Acoustic Review: Conducted a detailed review of the design intent, ensured compliance with acoustic performance requirements, and identified potential risks or areas for improvement.

RIBA Stage 04 – Acoustic Detailed Design: Developed comprehensive acoustic design documentation, including calculations, specifications, and construction details, to meet project standards and client expectations.

RIBA Stage 05 – Acoustic Design Support: Provided design implementation guidance during construction, reviewed submittals and materials, and ensured that the acoustic design intent was accurately achieved on site.

Project done by Principal

Stadium

Al Duhail stadium



Project Location: Qatar

Scope: Acoustic validation

PROJECT SCOPE:

Acoustic Validation – Background Noise Assessment and Environmental Noise Mapping:

Conducted a detailed background noise assessment to establish existing ambient sound levels for critical stadium spaces.

Developed comprehensive environmental noise maps to evaluate noise propagation, identify key noise sources, and assess potential impacts on surrounding areas. The findings supported design decisions, ensured compliance with relevant standards, and contributed to the development of effective noise control strategies.

Project done by Principal

Stadium

MRF R&D - Workstation



Project Location: Chennai

Scope: RT assessment | RT testing

PROJECT SCOPE:

Work Station – 3D Modelling and RT Simulation: Created a 3D acoustic model to simulate reverberation time and assess sound performance.

On Site – Reverberation Time Testing: Performed RT measurements to verify design performance against predictions.

Acoustic Recommendations: Proposed design improvements based on simulation and test results to optimize acoustic quality and compliance.

Palm Villa



Project Location: Nakhl Jumeriah

Scope: Acoustic validation

PROJECT SCOPE:

Background Noise Assessment:

Evaluated noise levels generated by HVAC equipment and their impact on acoustically sensitive spaces within the building. Measurements and analysis ensured compliance with relevant acoustic criteria and comfort standards.

Acoustic Recommendations:

Provided targeted design and mitigation measures to maintain acoustic compliance, optimize noise control, and enhance overall acoustic performance.

The View hospital



Project Location: Qatar

Scope: Acoustic design

PROJECT SCOPE:

Acoustic Design – Schematic and Detailed Design Stages:

Developed acoustic design inputs during the schematic stage to define key performance criteria and design intent. Progressed into the detailed design stage to prepare comprehensive acoustic specifications, calculations, and material recommendations, ensuring compliance with project standards and optimal acoustic performance.

Project done by Principal

Hospital

Canal heights 01



Project Location: Dubai

Scope: Acoustic design

PROJECT SCOPE:

Acoustic Design stages

- Concept design
- Schematic design
- Detailed design
- Tender design

Provided acoustic input and guidance throughout all design stages — from concept to tender. This included defining acoustic criteria, reviewing design layouts, developing detailed calculations and specifications, and preparing tender documentation to ensure the project met the required acoustic performance standards.

Project done by Principal

Residential

Community centre building



Project Location: Dubai

Scope: Post bid advisory

PROJECT SCOPE:

Background Noise Assessment:

Conducted background noise analysis to support the insertion loss selection and sizing of sound attenuators for the Community Centre building and service block. The assessment evaluated HVAC and mechanical noise levels to ensure compliance with acoustic criteria and occupant comfort standards.

Commercial Boulevard



Project Location: Qatar

Scope: Acoustic validation

PROJECT SCOPE:

Acoustic Validation – HVAC Background noise assessment

Background Noise Assessment:

Evaluated noise levels generated by HVAC equipment and their impact on acoustically sensitive spaces within the building. Measurements and analysis ensured compliance with relevant acoustic criteria and comfort standards.

Acoustic Recommendations:

Provided targeted design and mitigation measures to maintain acoustic compliance, optimize noise control, and enhance overall acoustic performance.

Project done by Principal

Residential

Al Sadd health center



Project Location: Qatar

Scope: Acoustic validation

PROJECT SCOPE:

Background Noise Assessment:

Evaluated existing noise levels within and around the building's HVAC equipment to establish baseline conditions and ensure compliance with relevant acoustic standards.

Architectural Acoustics Assessment:

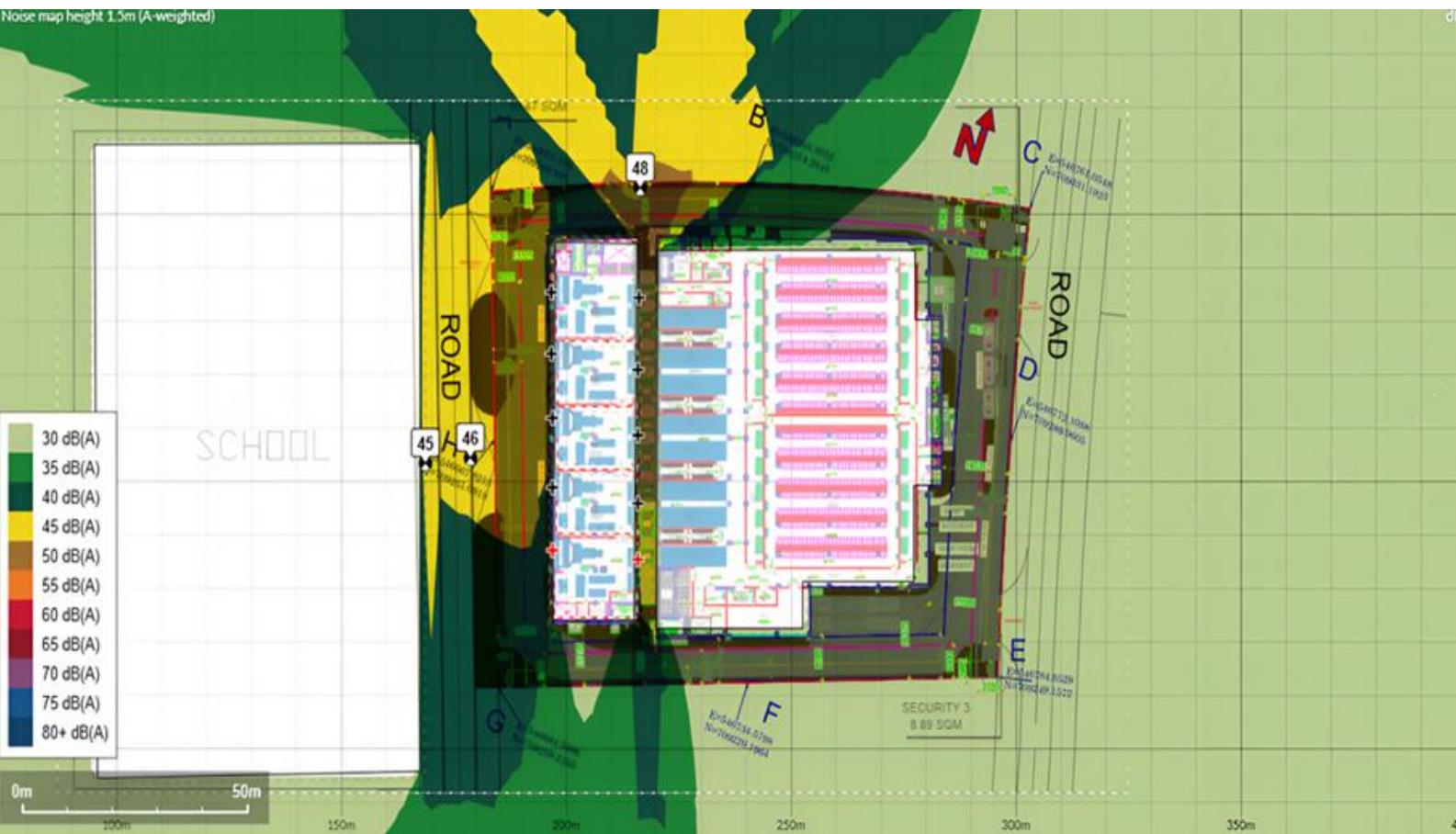
Analysed the acoustic performance of internal spaces, including reverberation, speech clarity, and sound insulation, to verify that the design met functional and comfort requirements.

Project done by Principal

Hospital

Data centre

Noise map height 1.5m (A-weighted)



Project Location: Qatar

Scope: Acoustic validation

PROJECT SCOPE:

Noise Mapping – Data Centre Generators: Conducted detailed noise mapping of the data center generators to evaluate noise levels at the façade of the adjacent school building. The assessment identified potential exceedances of permissible limits and supported the development of effective noise mitigation measures to ensure compliance with environmental and acoustic standards.

Holiday inn Residences -Hilton garden inn & Embassy



Project Location: Dubai

Scope: Acoustic validation

PROJECT SCOPE:

Background Noise Assessment:

Evaluated existing noise levels within and around the building's HVAC equipment to establish baseline conditions and ensure compliance with relevant acoustic standards.

Architectural Acoustics Assessment:

Analysed the acoustic performance of internal spaces, including reverberation, speech clarity, and sound insulation, to verify that the design met functional and comfort requirements.

Project done by Principal

Residential

MBZ Residential tower



Project Location: Dubai

Scope: Acoustic design

PROJECT SCOPE:

Concept Stage: Established preliminary acoustic design criteria, evaluated initial layouts, and identified potential acoustic challenges.

Schematic Stage: Developed early-stage acoustic solutions, including spatial planning, material selection, and performance targets.

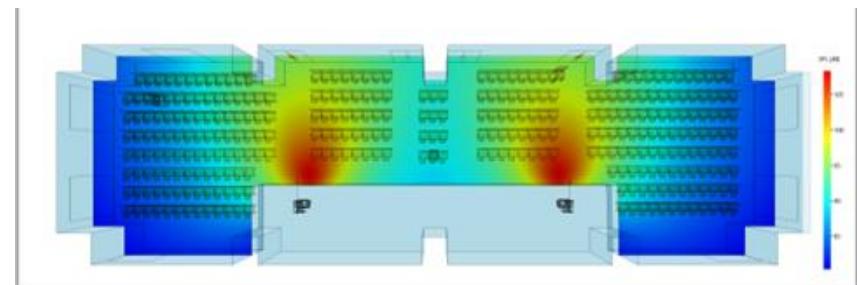
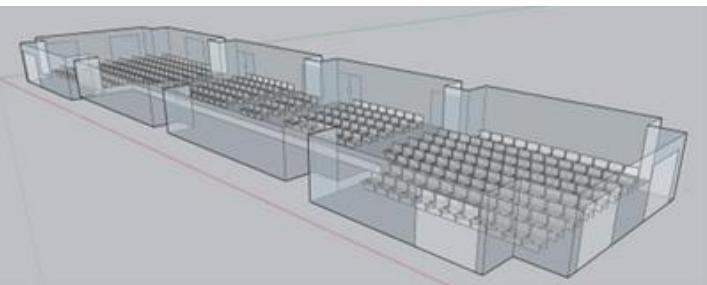
Detailed Design Stage: Prepared comprehensive acoustic calculations, specifications, and design documentation to ensure compliance with applicable standards.

Tender Design Stage: Finalized acoustic details for tender documentation, including recommendations for construction methods, materials, and performance verification.

Project done by Principal

Residential

Multipurpose hall, SRM tech tower II



Project Location: Chennai

Scope: RT assessment & Simulation

PROJECT SCOPE:

MPH – 3D Modelling and RT Simulation:

Developed a 3D acoustic model of the Multi-Purpose Hall (MPH) to simulate reverberation time (RT) and sound distribution. The simulation helped assess the room's acoustic performance and identify areas for improvement.

Acoustic Recommendations:

Provided design recommendations based on simulation results to optimize speech clarity, sound quality, and overall acoustic comfort within the space.

AnNajah Business & Educational university



Project Location:

Palestine

Scope: Acoustic design

PROJECT SCOPE:

Concept Stage: Established preliminary acoustic design criteria, evaluated initial layouts, and identified potential acoustic challenges.

Schematic Stage: Developed early-stage acoustic solutions, including spatial planning, material selection, and performance targets.

Detailed Design Stage: Prepared comprehensive acoustic calculations, specifications, and design documentation to ensure compliance with relevant standards.

Tender Design Stage: Finalized acoustic details for tender documentation, including recommendations for construction methods, materials, and performance verification.

Project done by Principal

Tata Consulting Services



Project Location: Chennai

Scope: Noise testing

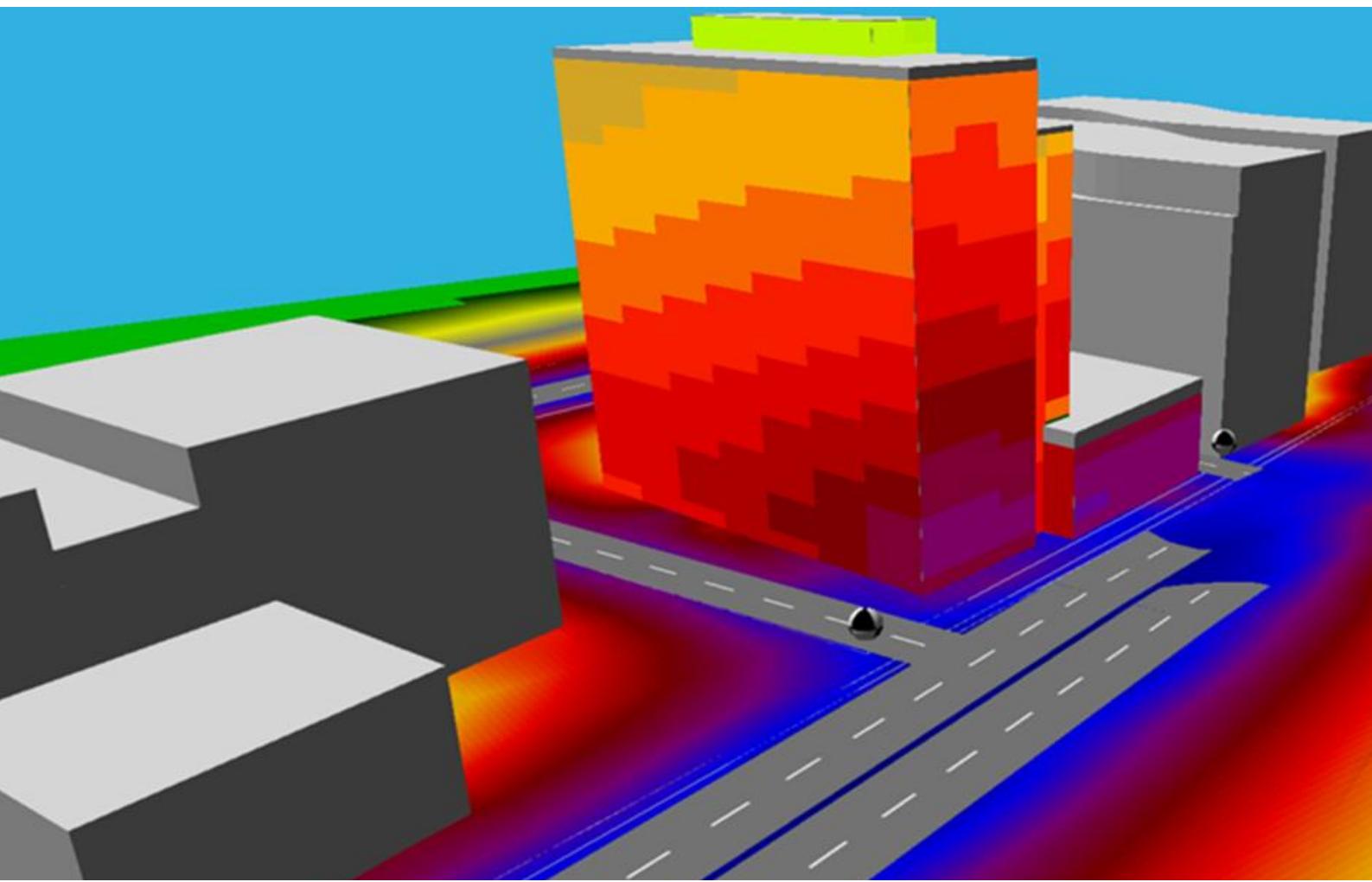
PROJECT SCOPE:

Noise testing

Conducted a noise testing for Reverberation time assessment and accordingly proposed acoustical recommendations for the interior material finishes for acoustic compliance

Office

Zyed office



Project Location: Dubai

Scope: Acoustic design

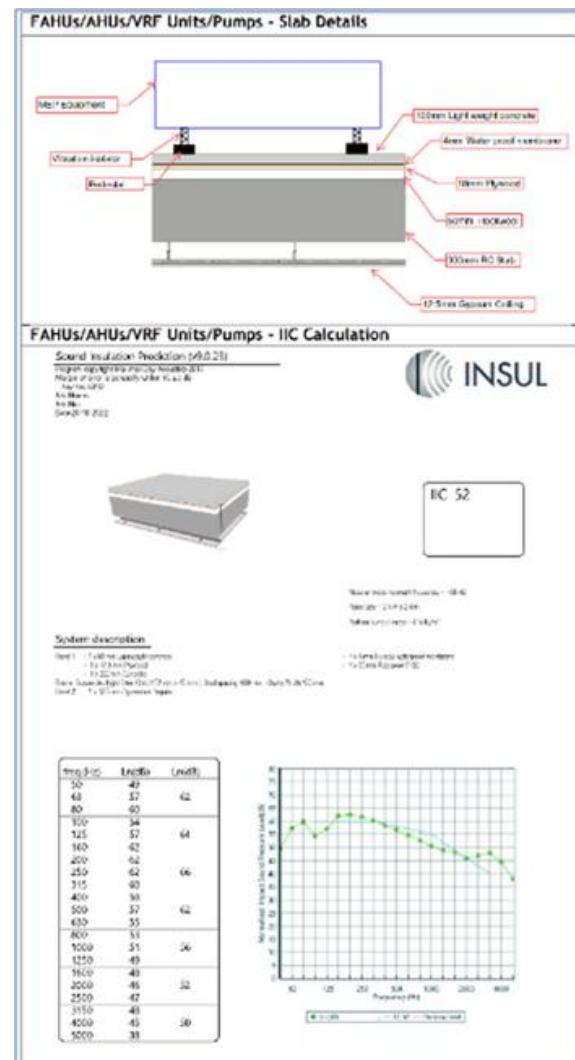
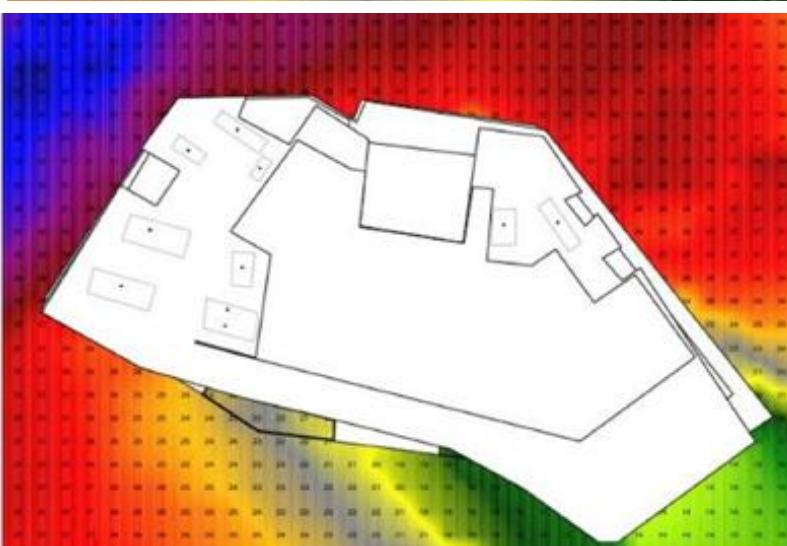
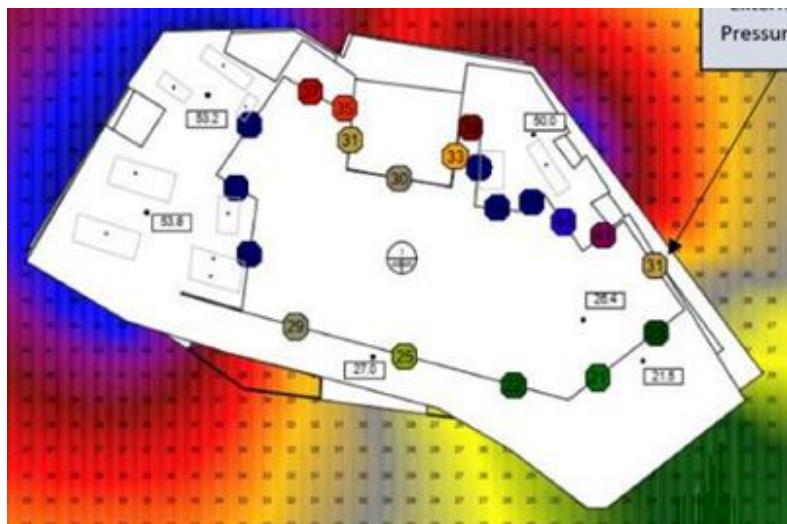
PROJECT SCOPE:

Environmental Noise Mapping – Zyed Office Building:

Conducted a detailed noise assessment to evaluate façade noise levels resulting from adjacent road traffic. The study identified areas exceeding permissible limits, supported compliance with environmental and acoustic standards, and provided recommendations for façade treatments and mitigation measures to enhance indoor acoustic comfort.

Project done by Principal

Private beach villa



Project Location: Dubai

Scope: Acoustic design

PROJECT SCOPE:

Roof HVAC Equipment Environmental Noise Mapping: Conducted detailed noise mapping of roof-mounted HVAC equipment to assess potential impacts on the building façade and surrounding areas. Provided recommendations for optimal façade element combinations to mitigate noise and maintain acoustic comfort.

Roof Equipment Floor Arrangement Acoustic Analysis: Analysed the layout and arrangement of rooftop equipment to minimize noise transmission and vibration. Provided design recommendations to optimize equipment placement, reduce acoustic impact, and ensure compliance with relevant standards.

Project done by Principal

Titan company limited



Project Location: Pune

Scope: Acoustic chamber

PROJECT SCOPE:

Supply and Installation of Acoustic chamber

Industrial

Mahindra & Mahindra



Project Location: Nasik

Scope: Acoustic chamber

PROJECT SCOPE:

Supply and Installations of acoustic lining work for engine test cell Dt.C 13 with acoustic doors and double glass windows

Salcom India Pvt Ltd



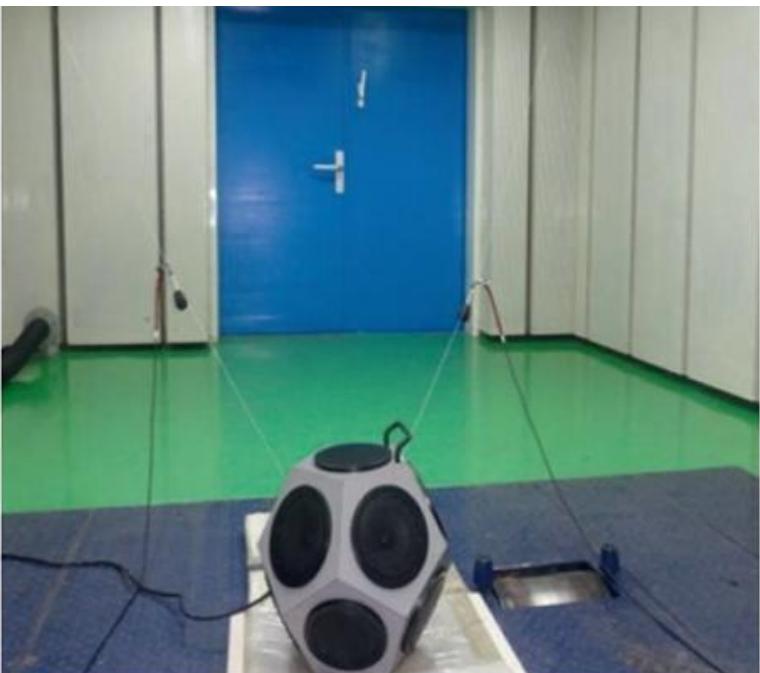
Project Location: Chennai

Scope: Noise booth

PROJECT SCOPE:

Noise booth for component checking

Salcom India Pvt Ltd



Project Location: Chennai

Scope: Noise booth

PROJECT SCOPE:

Acoustic lining installation

Industrial

Certifications



ISO certified - 9001:2015

ISO 9001:2015



www.pqcert.in


 Scan this code with your smart phone
 to verify the certificate


Certificate of Registration

This is to certify that the Management System Of

REVERBIO ACOUSTICS PRIVATE LIMITED

NO.68/1A, KEEVALUR ROAD, THANDALAM, SRIPERUMBUDUR,
 SRIPERUMBUDUR, KANCHIPURAM, TAMIL NADU - 602105, INDIA

Has been independently assessed by PQC and found to comply with the
 requirements of

(Quality Management System) ISO 9001:2015

For the following Scope:

- SPECIALIZED ACOUSTIC CONSULTANCY SERVICES FOR BUILDING, ARCHITECTURAL, INTERIOR, INDUSTRIAL, MECHANICAL AND INFRASTRUCTURE PROJECTS
- COMPREHENSIVE DESIGN, SIMULATION, REVIEW, VALIDATION, ENVIRONMENTAL NOISE ASSESSMENT, PRE AND POST BID ADVISORY
- NOISE AND VIBRATION CONTROL SOLUTIONS FOR MEP SYSTEMS
- ON SITE EXECUTION OF HEAVY MACHINERY / MEP EQUIPMENT ASSEMBLIES, MOVING, INSTALLATIONS.
- COMPLIANCE WITH INTERNATIONAL STANDARDS INCLUDING LEED, WELL, ESTIDAMA, GSAS AND OTHER GLOBAL BENCHMARKS.

Certification Calendar:

Client Id: 200020

Certificate No: TN-Q/4027-0825

Registered on: 13.08.2025

Issued on: 13.08.2025

Expires on: 12.08.2028

 1st Surveillance on/before: 12.08.2026

 2nd Surveillance on/before: 12.08.2027


Authorized Signatory

PARAMOUNT QUALITY CERTIFICATIONS

 27, Old Gloucester Street, London, WC1N 3AX, United Kingdom. Email:- Info@pqcert.in

Validity of this certificate is subject to successful completion of surveillance audit on or before of due date.

(In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn.)

 Certification Verification: Please check this validity of the certificate at: <https://pqcert.in/certified-clients/> or www.pqcert.in at Certified Client

This Certificate remains the property of PQC & shall be returned immediately upon request.

ISO certified - 14001:2015

ISO 14001:2015







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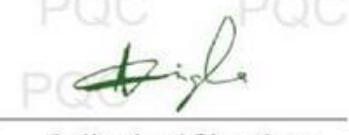
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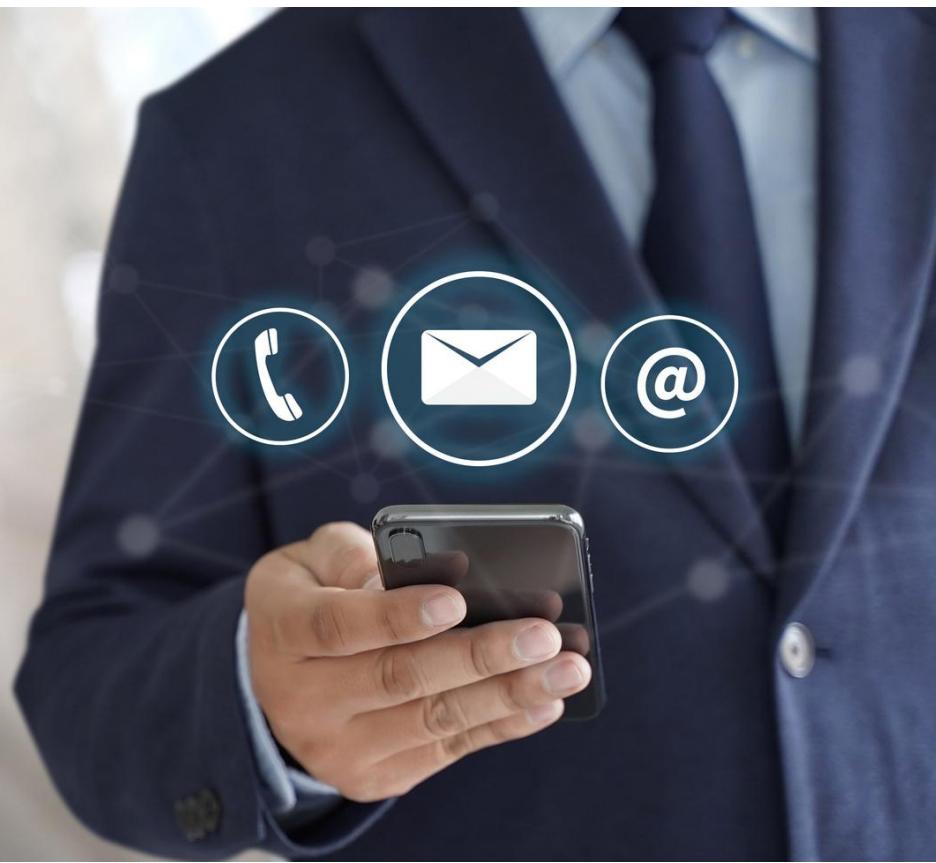
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ISO certified - 45001:2018





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Sriperumbudur 602105,
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