

COVER
STORY



**ACOUSTICSINDIA'S ABILITY
TO TAKE ON BROAD RANGE
OF PROFESSIONAL SERVICES
HAS ENABLED THEM TO WORK
ACROSS THE GLOBE**

Dharmesh Barha,
Director & Acoustician

Industry Outlook TOP 10
NOISE & ACOUSTIC
CONSULTANTS - 2021

ACOUSTICS INDIA

OFFERING ADVANCED ACOUSTIC
SOLUTION POWERED BY LATEST
TECHNOLOGY & INNOVATIONS

By Srabani Ganguly

With the growing population and increasing activities of all sorts, the noise levels have reached their peak and are upsetting people everywhere. Fortunately, acoustic design techniques to reduce annoyance and improve acoustic satisfaction in the urban environment exist.

Most businesses want an economical solution with unmatched results and are looking for experienced providers of the same. This demand in the market has given rise to many non-technical acoustical consultants who lack knowledge or understanding of the arena. Thus, many clients lose money, time, and project quality. Having said that, the process of offering acoustic solutions is also tedious. It includes adhering to RT60, taking STC measurements, understanding architectural & structural noise transmission, AC ducting, floor to floor or room to room noise & vibration transmission, absorption, and reflection of the sound frequencies.

Catering to such needs of businesses, Acousticsindia offers help by understanding the project inside-out and designing new-age solutions as per customers' needs. "From noise and vibration surveys to enhancing an interior soundscape, from highly objective to highly subjective, our acoustic consultancy services cover a wide spectrum of scenarios across all industry and environmental sectors," says Dharmesh Barha, Principal Acoustic Consultant & Director, Acousticsindia.



VERSATILITY IN SERVICE

Acoustics India's services range from building acoustics and industrial noise control to specialized applications including vibration control in high-precision manufacturing facilities, seismic and blast isolation for critical infrastructure, extreme marine/offshore conditions, and environmental factors. It works with a systematic approach and encompasses the assessment of three main elements, the source (information on the noise and vibration profile), the transmission path (assessing the noise and vibration disturbance), and what is the receiver (measuring noise and vibration at the receiver point).

Acousticsindia takes pride in being versatile with its involvement in Acoustical Analysis, Simulation, Modelling, Building Acoustic, Electro-acoustic, Architectural lighting design, Sound Proofing, Industrial Noise light & heavy, Special Purpose Acoustic Enclosures, Environmental Acoustical, Petrochemical Plant, Turbine, Hydro & Wind Power, Airports, Rail Corridors, Structure-borne Noise & Vibration from engine machinery, Marine/offshore HVAC and Mechanical Noise

& Vibration acoustic, Defence & Commercial vessels, Passenger Ship, LNG/LPG Carrier, Marine shipping Engine, and Auxiliary System.

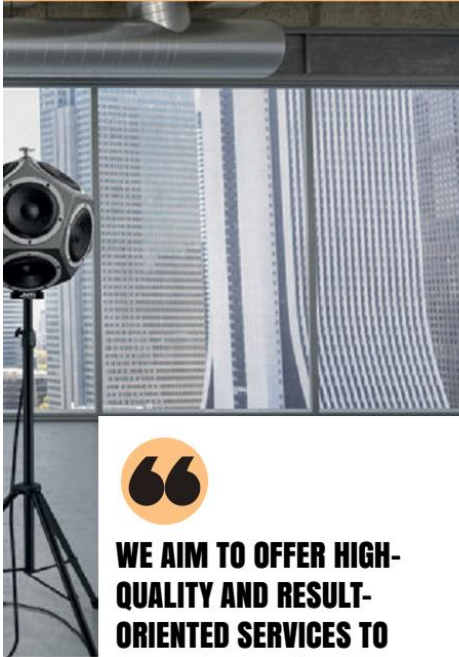
Their over 25+ years of market presence has enabled them to have a closer look at the patterns of changes of noise sources and impacts over time. The company has taken this as an opportunity to do in-depth research and develop through evolving as the market for acoustics grows. There has been changing demands of the clients with demand for high precision mostly in educational and hospital settings. To offer top-notch services, it uses advanced software with the latest high precision measurement equipment for acoustic simulation, modelling, and calculation that offers acoustical accuracy and exceptional acoustic performance. The professionals in the company have extensive experience in building acoustics and industrial noise & vibration control scenarios such as the development of sensitive spaces, high-precision microscopy units for the automotive and manufacturing industry, and helipads on commercial buildings. Dharmesh cheerfully mentions, "With the knowledge and

expertise gained in all these years, we earned trust by constantly delivering quality products".

TECHNICAL KNOWLEDGE IS THE DIFFERENTIATOR

It is needless to mention that Acousticsindia identifies the greatest challenge in the industrial sector of acoustic and noise control. As already discussed, the lack of technical knowledge induces non-sustainable service providence to the customers who then suffer from incompetent noise control and protection. This has moved the workforce of the company to conduct more research on different aspects of noise pollution. Majorly, the adverse effects of the exposure to noise are researched on to find the right customized solution. The company director Dharmesh believes that with increase in population density, there is increased risk of health concerns and environmental impacts of noise. Hence, he says, "There is no reason to believe these adverse effects of noise will decrease without a conscious effort to address them".

Therefore, Acousticsindia considers it the key pain point of the



WE AIM TO OFFER HIGH-QUALITY AND RESULT-ORIENTED SERVICES TO CLIENTS WITH GENUINE QUALITY PRODUCT RECOMMENDATIONS SO THAT THE CLIENT EXPERIENCES A SEAMLESS EXECUTION OF THE PROJECT

clients and works to find the span of health effects is from annoyance to stress-related illnesses. This field has drawn the intentions of the experienced technical team to develop solutions by putting in technology and highly accurate measurement of the pre-discussed three main elements. While explaining the competency of his team, Dharmesh says, "It is necessary for designers and developers to apply those techniques to potential noise issues in the schematic design stage and proactively address the acoustic challenges involved with new urbanization".

STRONG INDUSTRY POSITION

The company's operations have reached far and wide pertaining to its turnkey contractors, designers and planners. Their ability to take-on broad

range of professional services has enabled them to work across the globe. In the course of time, Acousticsindia has worked on multiple major projects that include airports, marine/offshore, places of worship, railways, and needless to mention, industrial noise and vibration. Their constant support and excellence has developed their position as a trustworthy service provider. Acousticsindia has made its mark in some major projects which include Acoustics of Huge Grand convention centre the size of 120' x 180' x 90' ft., broadcasting studio in Bhutan (BBS), Kabul - Ariana (Afghanistan), Jakarta (Indonesia) & other devolving countries, including India.

The Director of Acousticsindia, who is also an acoustician, Dharmesh says, "The acoustics of a project are only one aspect of a design, but it has far-reaching implications from site layout to construction materials and methods. The expertise of the designers plays an important role in completion of projects. The designers in the company are effectively trained to consider how the inhabitants of the spaces will be affected by noise control issues. They also associate their research and measurements for different structures like multi-use and multi-family buildings. They work intimately to identify the other sources of noise associated with the urban environment to provide a sustainable and long-term solution to the clients".

THE FUTURE ROADMAP

Acousticsindia is one of the oldest firms in the country with its foundations laid in the year 1996. In terms of building acoustic and Industrial Noise Norms, new urbanization processes pose many challenges. Acousticsindia effectively combats such impediments by applying advanced techniques to potential noise issues in the schematic design stage and proactively addresses the acoustic challenges involved with new urbanization. The company

works with the goal to offer clients value for money with long-lasting results. "We aim to offer high-quality and result-oriented services to clients with genuine quality product recommendations so that the client experiences a seamless execution of the project," adds Dharmesh.

The company's root of excellence forms its trustworthy solution backed by their belief of sustainability. In order to stick to their offerings, Acousticsindia ensures that their internal infrastructure and technology is updated constantly to catch-up with the fast evolving world. The director also adds, "We deeply believe in sustainability and understand that smart execution of any project is imperative for it to be functional in the long run, decreasing the demand of re-work. Our expertise is your guarantee that the proposed noise or vibration control strategy is viable because we use high quality software with the latest high precision measurement equipment for acoustic simulation, modeling and calculation".

The company, in its quest to own the title of perfection, has dived in the new wave of technology through innovation. Their new projects are their effort to explore the thriving industry of noise and acoustic consultation. Currently, Acousticsindia is eyeing at incorporating Automotive Test Systems (ATS) and Artificial Intelligence (AI) in the field of acoustics to leverage its potential to reduce lead time and enhance accuracy. With innovation and excellence as their motto the company is eager to contemplate the challenges the environment and mankind is facing.

"Acousticsindia is now India's highly techno oriented acoustical solution provider with international collaborations & support and is able to take-up projects globally in any corner of the earth or in extreme harsh marine environmental conditions," concludes Dharmesh. [In](#)