

Building Acoustics

Novus assists designers with enhancing the indoor and outdoor environmental quality associated with buildings by creating acoustically comfortable, functional spaces for work, live and play. Through space planning, room shape, finish selection and room boundary partition designs, sound clarity and disturbance-free environments can be achieved in virtually all types of buildings whether the noise sources are internal or external to the building (i.e., environmental noise).

Acousticians that listen to your needs and develop practical and innovative solutions.

At Novus our focus is on sound & vibration, air quality, sustainable water systems and wind & climate. We use our knowledge to understand our client's needs and to develop feasible, working solutions, with the goal of harmonizing the built and natural environments. Our experts have decades of experience in acoustical design, having provided guidance on hundreds of projects throughout the world.



SERVICES:

- Architectural acoustics
- Building systems noise control
- Speech privacy
- Sound isolation
- Integration of acoustics into sustainable design
- Wind-induced noise (aeroacoustics)
- Site investigations & construction reviews
- Performance testing
- Wind-tunnel testing

SECTORS:

- Labs, science & technology
- Higher education
- Health care
- Sports & entertainment
- Performing arts
- High-rise / urban development
- K-12 education
- Industry
- Justice



Capabilities:

Novus offers a full range of acoustical services for buildings, including:

Design assessments for evaluation of partition designs for speech privacy, room finishes for reverberation control, noise controls for building services, aerodynamic controls for wind-induced noise.

Wind-tunnel testing of architectural façade elements to test for wind-induced noise (Aeroacoustic) generation and development of mitigation strategies.

Site investigations and construction reviews to evaluate and resolve existing problems related to acoustics, noise and vibration, implementation of acoustical control measures, and for development of mitigation strategies.

Performance testing to quantify reverberation time, speech intelligibility / privacy indices, Field Sound Transmission Class (FSTC) ratings, Impact Insulation Class (IIC) ratings, and vibration isolation performance.



WHY NOVUS:

- Extensive experience working with architects, engineers, planners, developers, lawyers & approval agencies
- Qualified expert witnesses
- LEED accredited professionals for integration of acoustics with sustainable design
- Collaborative design working with senior consultants
- Proven record solving acoustics & noise problems
- Holistic approach to design that considers the implications of acoustic controls on total building performance.



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Harmonizing the built and natural environments