Acoustics and Media Systems Consultants

MCH brings broad experience and unique expertise to all areas of design, measurement and analysis for Building Acoustics, Environmental Noise and Audiovisual Systems. Listed below are examples of the services we can provide for your projects. This list is not exhaustive (for example, we provide expert witness testimony, etc.), so please contact us if you seek experienced help with acoustical or A/V and media system matters not identified here. Visit us at www.MCHinc.com.

ARCHITECTURAL ACOUSTICS

- Design of "high-end" performance, recording and listening spaces such as auditoriums, screening rooms, radio, television, film and sound-recording studios, video-conferencing facilities, meeting rooms and classrooms
- Address issues of reverberation and privacy in hotels, office buildings, performing arts facilities, residences, hospitals and universities

MEDIA SYSTEMS DESIGN & TELECOM

- Provide full range of services, from programming to full design and issue of biddable Construction Documents for Audiovisual Systems, Telecom and Security Access Control
- IT/Structured Cabling and Surveillance Systems Design
- Design and provide cost guidelines for sound reinforcement and audiovisual installations in theaters, stadiums, schools, universities, office buildings, airports, video conference rooms and other multi-purpose rooms

NOISE AND VIBRATION CONTROL

- Design of noise and vibration mitigation for HVAC, electrical, elevator and plumbing systems
- Troubleshoot noise and vibration problems in the field
- Analysis and mitigation of floor vibrations, to maximize occupant comfort or to protect sensitive electronic/optical equipment

ENVIRONMENTAL ACOUSTICS ASSESSMENT & MONITORING

- Monitoring and mitigation of environmental noise and/or vibration from moving sources (vehicular traffic, rail traffic, aircraft) and stationary sources (machinery, manufacturing plants, theme parks, arenas and other outdoor gathering spaces, construction noise)
- Preparation of environmental assessments (EA) and environmental impact reports (EIR) for submittal to Government agencies

MEASUREMENT & TESTING

- Indoor and outdoor noise measurement and analysis
- Vibration measurement and analysis
- Field measurement of DNL, CNEL, Ln, FIIC, FSTC, NR and NIC, in compliance with the requirements of Government agencies