

# **FIRM PROFILE**

**BRC Acoustics & Technology Consulting** is a full-service acoustical consulting firm providing diverse services to public and private clients throughout the United States. With offices in Seattle, WA and Charleston, SC, services include architectural and mechanical acoustics, vibration measurement and analysis, sound reinforcement system design, audiovisual and multimedia system design, noise monitoring, acoustical modeling, and noise contour mapping for environmental noise projects.

BRC assigns teams selected from our staff to analyze individual projects and to develop tailored solutions using the latest technology and information. Technical expertise and proven qualifications—and years of practical experience—enable our team to deliver cost-effective and innovative designs for projects of any scope.

We use state-of-the-art computer modeling programs in conjunction with noise and vibration measurement equipment to optimize the architectural and mechanical function of building interiors, to perform noise impact predictions, and in the design of multimedia audiovisual systems.

BRC Acoustics & Technology Consulting is an active member of the National Council of Acoustical Consultants, Acoustical Society of America, and the Institute of Noise Control Engineering.

## **Architectural and HVAC Acoustics**

Analysis and design for all factors affecting the interior acoustics of buildings, including: sound isolation, control of reverberation and reflections, and HVAC noise control. Typical projects are office buildings, schools, hospitals, ships, open-plan offices, and multi-family residences.

## **Acoustic Isolation Measurements**

Measurements of sound and vibration isolation in buildings in order to verify specified partition sound ratings, meet building code requirements, and to ensure an appropriate acoustical environment for building occupants.

## **Environmental Noise Control**

Noise impact assessments and noise control recommendations for environmental documents Typical projects: highways, airports, developments, and industrial sites.

## **Industrial Noise Control**

Noise control design and mitigation for most industries and utilities.

## **Sound Reinforcement/Multimedia, Audiovisual**

System design and performance specifications for sound reinforcement, ambience enhancement, masking (white noise), industrial paging, audiovisual and multimedia systems.

## **Open Plan Space Design**

Design recommendations for materials and space planning to ensure effective control of intrusive noise between workstations in open-plan offices and teaching facilities.

## **Performing Arts, Meeting Facilities**

Specialized acoustic design for concert halls, theaters, auditoriums, convention centers and arenas.

## **Vibration Isolation**

Measurements and design for vibration isolation of machinery, sensitive instruments, and micro-electronics equipment.