

Related Project Experience Themed Attractions and Destination Resorts

CURRENT/RECENT PROJECTS

Cabarrus County Expo Park Overcash Demmitt Architects	Concord, NC Acoustical consulting for a new arena building called the Events Center at the Cabarrus County Exposition Park. Provided acoustical and mechanical noise control for this 8000 seat arena.
Gateway Arch Bi-State Development Agency	St. Louis, MO Audio system design for the tram cars, queue lines, and upper/lower load areas within the Arch. The goal of the new system is to upgrade the guest experience while developing methods for cross-selling the different activities at the Jefferson National Expansion Memorial. Additionally provided acoustical recommendations for the lower load area.
Universal Studios - Toon Lagoon MCA Recreational Services	Orlando, Florida Sound system and paging system initial design for a new 10-acre expansion onto the current themepark.
Kowloon Club JKI Design and Development	Hong Kong Acoustical criteria and audiovisual design for a multi-story business club and family entertainment area. A/V systems will be included in the multipurpose room, recreation bar, function rooms, exercise rooms, and waiting lounge. The facility also has cafes, an arcade, mahjong and karaoke rooms, and offices.
Warner Brothers - Western Stunt Show Amphitheater Six Flags Great America	Gurnee, IL Provided acoustical and audio system evaluation for a 2500-seat outdoor theatre which was converted from an attraction with pre-recorded audio to a live action show that uses 10 microphones. Treatments were recommended to defeat sound reflections caused by the Amphitheater's steel and aluminum construction design. To maximize the intelligibility of the audio system, adjustments and further recommendations were given.
FantaSea Show Theatre Renaissance Entertainment Asia	Phuket, Thailand Acoustical design of a 2500-seat indoor theatre dedicated to live performances. The theatre has a full stage with 20 live microphones. Considerations included room acoustics, sound isolation, and mechanical noise and vibration control.
Ethel M Theatre Cunningham Group	Las Vegas, NV Acoustical recommendations for the theatre and pre-show area, concentrating on creating specific reverberation times and isolating the mechanical equipment room.
Coca-Cola Olympic City Design and Production, Inc.	Atlanta, GA Acoustical consulting and sound system design for the interactive sports tent containing various exhibits and games featuring Olympic athletes. Provided designs to control crowd noise in order to create a reverberation and echo-free environment, and mechanical noise control for the portable air conditioning units. Also optimized the loudspeaker design and placement so the sound system would localize athletes' voices at game sites while using event noises to simulate the ambiance of a stadium crowd. The audiovisually-enhanced games gave visitors a chance to participate in Olympic-style events with track and field champ Jackie Joyner-Kersey, basketball great Grant Hill, and gymnast Shannon Miller.



Monterey Bay Aquarium - Linkers Auditorium

Monterey, CA

Monterey Bay Aquarium

Provided acoustical, audiovisual and show control system design for the remodel of a 299-seat auditorium. The room is used for an interactive educational show incorporating live undersea video, special effects, surround sound and audience response. Sources for the multimedia presentations include video, satellite feeds, laser disc, computer hard drive, and audio/video conferencing. The system interfaces with a programmable control system which will run the A/V, projection and lighting systems. The auditorium is also used for training, staff meetings, educational and docent events.

Mystic Marinelife Aquarium

Mystic, CT

Michael Lee Design

During the concept phase, we assisted with the direction of technical systems. This consisted of the preliminary design of audio, video, projection, and control systems as well as acoustics for two simulation theatres and an interactive display. When completed, "The Institute For Exploration" attraction will simulate a deep-sea dive in a research submarine.

02b Kids! (Family Entertainment Center)

Gainesville, FL

02b Kids!

Acoustical recommendations, including sound isolation and operating systems noise control. The facility contains multi-purpose rooms, administrative offices, child care rooms, café, and pretend village.

Kelly Rae's (Family Entertainment Center)

Nashville, TN

White Hutchinson Leisure & Learning Group

Selection of acoustic finishes and lounge area sound system design for a 65,000 square foot facility. The FEC incorporates a 32-lane bowling center, an adult cafe and lounge, billiards, shuffleboard, rides, coin-op games, a stage area, and a hands-on discovery space.

Lotte World - Sky Park Plaza

Pusan, Korea

Battaglia Associates

Our services included room acoustics, mechanical noise and vibration control, paging and background music system design, sound isolation criteria, and Binauralization™ for this medieval-themed amusement park. Located above a 9-story shopping center, this 3-story high indoor theme park is covered by an enormous skylight. The park has both simulation and live stage theatres, the Haunted Castle dark ride, a parade, a roller coaster, and various attractions (bumper cars, carousel, Giant Loop, batting alley, arcades, shooting gallery, etc.).

iWERKS Cinetropolis at Chiryu

Chiryu, Japan

iWERKS Entertainment

Programming development and design of a multi-media presentation system which integrates the lobby of three special effects theaters. System design included computer interface to a SGI generator, 3 camera video production system, 5x5-screen video wall, seven laserdiscs, SVHS, 2 cable tuners, background audio, and stage production/public announcement system. This system design is the basis of a new themed destination/cinema attraction which will be located in various malls and shopping complexes throughout the world.

Harveys Casino "Party Zone"

South Lake Tahoe, NV

Harveys Resort Hotel/Casino

For phase 1 of an ongoing project, our services included audio system design for the sports book/lounge area. Later phases will include video system design for the same area, which will alternately be used as a nightclub setting.

Harveys Casino

Harvey's Resort Hotel/Casino

South Lake Tahoe, NV

Developed an audio system master plan including a review of the existing system, detailed requirements for the new audio system, creating the audio control system, and making recommendations for the most cost effective sequencing. This casino remained open and operated throughout all phases of the project.

Kanesville Queen Riverboat Casino

Harvey's Resort Hotel/Casino

Council Bluffs, IA

Audio system master plan and design for a 270-foot long riverboat casino which holds 1,700 guests. Developed concepts for cross selling, ambient volume control, control zones, paging requirements, and background music. The system is integrated into three gaming decks containing over 1,200 gaming stations and covering 26,000+ square feet. The 345 loudspeakers broadcast at different volume levels depending upon the noise level in each particular zone.

