

Timothy S. Hart
Principal

Media Systems Design Group

Professional Positions Principal, Media Systems Design Group 2000-Present
Senior Consultant, McKay Conant Brook, Inc. 1994-2000
Senior Associate, Paul S. Veneklasen and Associates 1987-1994
Research Assistant, University of Texas at Austin, 1985-1987

Education M.S. (Electrical Engineering/Physical Acoustics), University of Texas at Austin 1987.
B.S. (Electrical Engineering and Computer Science), Duke University 1985.

Professional Societies Member, Infocomm
Member, BICSI

Professional Overview: Mr. Hart has over twenty-nine years of consulting experience covering a wide range of acoustical and audio-visual design disciplines. While his primary expertise is in audio-visual and media system design, his work in those areas is augmented by extensive experience in design of structured cabling systems for telecommunications and in the fields of architectural acoustics and acoustical testing.

As founding principal of the firm, Mr. Hart has acted as Principal in Charge on more than one hundred audio-visual design projects of all types. A core principle of the company is that every project should receive close personal attention from a principal to ensure the highest level of execution in all phases of the project from the initial programming efforts to the final checkout and commissioning of systems.

Prior to forming MSDG, Mr. Hart led the audio-visual and media system design groups at both McKay Conant Brook, Inc. and Paul S. Veneklasen and Associates. In that capacity, he acted as the primary client contact and directed the engineering efforts of hundreds of audio-visual projects. His experience includes considerable project management and design experience over a broad range of projects.

Mr. Hart's many years of leadership in audio-visual design provides him with an extensive range of experience in all types of projects. A substantial focus of his design expertise has been in the design of large-scale educational projects and civic facilities ranging from city council chambers, community centers and performing arts centers. These venues typically include a substantial component of video conferencing, distance learning or broadcast video. He also has significant experience in the design of 35mm motion picture projection, specialty projection systems and film, video and audio production facilities. Additionally, he has provided design for a number of large themed entertainment projects, hotel and convention facilities, airport paging systems, noise masking systems and emergency operations centers.

Mr. Hart's media system design skills are augmented by his extensive background in architectural acoustics. He has considerable experience in room acoustics and sound isolation including the design and specification of acoustical materials and finishes to ensure privacy and the proper acoustical environment in presentation rooms, courtrooms, offices, hospitals, hotels and multi-family residences.

Mr. Hart has extensive laboratory experience including testing electronic and electro-acoustic equipment for frequency response, distortion (THD and IM), efficiency and power handling. This includes practical experience in FFT, MLSSA, TEF, and Smaart analysis of acoustical signals and systems.

Mr. Hart is also well versed in the design of structured cabling systems for telecommunications, data other types of low voltage cabling backbones. In addition to his other qualifications, he has experience as a live sound mixer and recording engineer.

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