



# Consulting, Inc.

SOUND DESIGN & APPLIED PSYCHOACOUSTICS



**Robert Oswood**  
*Principal Consultant*

**Areas of Expertise:**

- Room Acoustics
- Speech Intelligibility
- Psychoacoustics
- Visual Displays

**Education:**

**Macalester College –  
St. Paul, MN**  
Physics / Psychology

**Professional Affiliations:**

Construction Specification  
Institute

Audio Engineering  
Society

Acoustical Society of  
America

Infocomm

National Systems  
Contractors Association

**Overview:**

Mr. Oswood has over 40 years of experience in room acoustics and the design of sound and video systems for sports arenas, civic & performing arts centers, educational facilities, and houses of worship. Robert's firm grasp of psychological acoustics—the human factors that affect the understanding of spoken word—and the special requirements of spaces that must support both speech and music are the focus of his designs.

**Relevant Project Experience:**

- Xcel Arena – St. Paul, Minnesota – managed and commissioned fast-track installation of sound and video systems for 18,000 seat arena.\*
- FargoDome – Fargo, North Dakota – acoustical study and design of high intelligibility sound reinforcement system for 27,000 seat arena and convention center
- Minneapolis Convention Center Expansion – Minneapolis, Minnesota – principal in charge of installation of sound, video, security and data infrastructure\*
- Target Center – Minneapolis, Minnesota – acoustical review, and sound & video system upgrade study
- Poynette Natatorium – Poynette, Wisconsin – Acoustical t and sound system design
- Minnesota State University Mankato - Highland Center Pool – Mankato, Minnesota – acoustical and sound system design
- Narranche Football Stadium – Butte, Montana – design and commissioning of highly directional sound system
- UMC Wellness center - Crookston Minnesota - Sound and video system design
- University of Minnesota, Office of Classroom Management – Minneapolis, Minnesota – development of speech intelligibility standard for University classrooms, lecture halls and auditoria

\* While principal at Impulse Group