

# SOUND. THAT WORKS.™ IN WORSHIP FACILITIES

Worship facilities are multipurpose spaces that host a variety of activities, often with conflicting acoustical needs.

In the area where the service takes place, audible speech is necessary so that members don't miss the intended message. However, if the service includes music, the space also needs to be reverberant.

Achieving good speech intelligibility and high-quality sound usually requires the integration of audio technologies. Many worship facilities already use AV equipment, not only to overcome acoustical challenges, but to enhance members' experience in today's multimedia-driven world.

However, these facilities also have other acoustical needs. For example, worship facilities often house counseling offices. The conversations taking place in these areas can involve grief, depression, relationship and health information, as well as other sensitive topics. A high level of speech privacy is crucial because members expect these conversations

to remain confidential. Although such discussions can be brought into closed rooms, doors and even deck-to-deck walls are often not enough to ensure speech privacy.

Furthermore, many worship facilities have internal administrative areas. Acoustical privacy is required for discussions involving staff and finances. Noise control is also necessary in these areas. People working in an acoustically comfortable environment have an easier time concentrating on tasks, make less errors, suffer less stress, and are more welcoming.

Understandably, most of the acoustical strategies employed in worship facilities focus on ensuring members can easily hear the service. However, addressing these additional requirements is critical for creating a positive experience and meeting members' needs.

Offer members a peaceful environment that also protects their privacy.

## The Speech Privacy Equation



Sound masking is an essential acoustical solution for open-concept spaces. However, it's also needed in closed offices because, whether built from floor-to-ceiling or deck-to-deck, walls only address part of the speech privacy equation.

A person's ability to clearly understand a conversation is dependent on two factors: the level of the speaker's voice and the level of background sound. The relationship between the two is called the *signal-to-noise ratio*.

Traditional room construction attempts to provide privacy by simply reducing the signal. Any gaps or penetrations in the walls, doors or other structures can significantly weaken the performance of even deck-to-deck construction, allowing sounds to transmit into and out of the room. If the background sound level in the adjoining spaces is lower than the level of speech passing through the wall, conversations can be overheard.

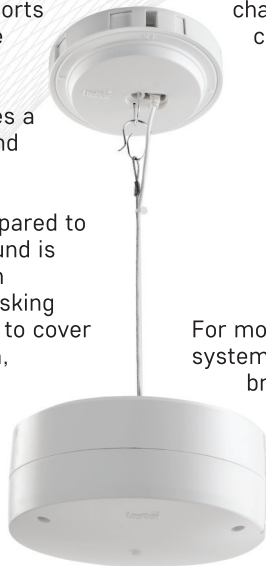
The LogiSon Acoustic Network establishes an effective background sound level and spectrum throughout a space. It can be used in combination with walls built to the suspended ceiling in order to provide a cost-effective and more flexible alternative to deck-to-deck construction, or in conjunction with deck-to-deck construction in order to provide confidential levels of speech privacy where needed. It's easily retrofitted to existing spaces.

## The LogiSon® Solution

The LogiSon Acoustic Network is part of a proactive approach to providing an environment that supports the needs of staff and the well-being of members.

This technology distributes a soothing background sound throughout a facility.

Although most often compared to softly blowing air, the sound is professionally tuned to an independently-proven masking spectrum that's designed to cover the frequencies in speech, increasing privacy. It also masks incidental noises that would otherwise affect comfort and concentration.



Networked architecture provides the flexibility to adjust settings as needs change, without incurring significant cost or disruption to operations.

Benefits include:

- Noise control
- Speech privacy
- Improved productivity
- Paging and music functions
- Lower project costs
- Facility flexibility
- Quick ROI

For more information about the system's advanced features, see our brochure or contact your local LogiSon Representative.

## A Few of Our Worship Facilities Clients

LIVING WORD COMMUNITY CHURCH • EVANGELICAL LUTHERAN CHURCH IN AMERICA  
FOREST HOME CHRISTIAN CAMPS • BAYSIDE CHURCH GRANITE BAY

## Case Study



### Bayside Church Granite Bay, California • USA

"For the past three years, Bayside Church has offered counseling in an office complex that was an improvement over our old facility, but had a major problem: noise transmission. This issue was of great concern, especially when dealing with sensitive and confidential information. The counseling offices are located between two busy office areas. Being able to hear someone's voice from the adjoining office or hallway disturbed us as counselors and worried our clients.

We tried several methods to minimize the problem, including adding wall and ceiling insulation, caulking cracks, installing carpet sweeps underneath doors, and so on. While we experienced some improvement, we still had a major problem.

Then someone suggested we try a sound masking system. If we felt any initial skepticism, it was totally eliminated as we walked into a radically improved counseling setting. Wow, what a difference! We no longer worry about noise between offices, and our clients are at ease knowing their conversations are truly confidential. Even the noise in the hall is greatly reduced and people pass by unaware of what is taking place in the counseling offices.

The sound masking system is now a natural part of our facility, raising the bar and making us a much more professional counseling setting. We highly recommend the LogiSon Acoustic Network for even the most challenging office applications."

Mark Godshall,  
Pastor of Care Ministries



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