Solving in-building cellular challenges for State, Local, and Education Facilities

A robust and reliable in-building wireless solution is critical as SLED facilities pursue network modernization.



SOLiD BARS™ for SLED Facilities

When it comes to delivering flawless in-building cellular coverage, state and local government and educational facilities face numerous challenges. Materials used in older buildings, such as dense concrete or marble, and newer construction that uses low-emissivity glass and heavy steel framing, can block outside cell signals creating dead zones for cellular coverage from any carrier. In public school and university buildings, students, faculty, and staff moving between buildings, or even just between hallways, can cause dropped calls or undelivered text messages. For most SLED facilities, Wi-Fi access is tightly controlled and limited to employees or enrolled students, leaving guests and constituents without automatic access to connectivity when inside the building.

Network costs and user demand for coverage drive the need for carrier-agnostic, neutral-host in-building cellular solutions. The SOLiD BARS™ Middleprise DAS is purpose-built to overcome these challenges in SLED facilities.

Foundational, Scalable Connectivity

SOLiD BARS™ enables reliable and ubiquitous cellular coverage in SLED facilities while reducing network complexity and offering scalability. A cost-effective neutral-host DAS solution, BARS is tailored specifically for the unique challenges of state, local, and educational facilities. FCC Part 20-compliant, BARS eliminates lengthy carrier approval processes and integrates off-air signal sources to enable immediate deployment. Utilizing Power-over-Ethernet (PoE) cabling and auto-commissioning, BARS minimizes installation complexity, disruption, and labor costs. Scalable up to 40 remote units through a single headend, BARS delivers reliable connectivity, fast deployment, and a low total cost of ownership.

SOLiD BARS is the ideal mobile connectivity solution for:

- City Hall
- Municipal Offices
- Civic & Recreation Centers
- Libraries
- K-12 School Buildings
- College & University Campuses
- Public Works Facilities

Contact Us

Contact us to learn how the SOLiD BARS solution enhances connectivity and competitiveness for your SLED facility. Our team will walk you through your building's specific needs and help design a solution that works for your space, your timeline, and your budget.

Phone: (888) 409-9997

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SOLiD BARS FAQ

How does it work?

The SOLiD BARS system obtains cellular signals either directly from the carrier via small cell or “over-the-air” signals from nearby cell sites. It then amplifies and redistributes these signals throughout the building to aesthetically installed antennas in areas of the building requiring coverage enhancement. The solution supports three major U.S. carriers, enabling users to make calls, send texts, and stream content without disruption. The BARS system is simple, fast to deploy, and delivers service immediately.

What makes it different from a traditional DAS?

Traditional DAS systems are typically best suited for very large or high-traffic venues. They require carrier participation, fiber backbones, high upfront investment, and often take months to install and integrate. SOLiD BARS is different in several important ways:

- Multi-carrier: Supports all three major U.S. carriers without requiring any carrier engagement
- Cellular signal source options including carrier, small cell, or over the air
- Ethernet-based: Uses standard Cat6A cabling
- Scalable: Easy to expand as your coverage needs grow
- Cost-effective: Designed to bring mobile coverage within budget for small or medium-sized buildings

What does “over-the-air” mean?

Over-the-air means that the system uses signals from existing outdoor cell towers that are captured through antennas placed on the roof of the building. There’s no need to negotiate custom service agreements with carriers or build out fiber backhaul connections. This makes deployment faster, easier, and significantly more affordable — especially in buildings where cellular coverage is present outdoors but doesn’t reach indoors.

Is BARS compatible with all major carriers?

Yes. SOLiD BARS supports all three major U.S. mobile network operators: AT&T, T-Mobile, and Verizon. It can amplify up to three frequency bands per carrier, so you can be confident that your users will get the signal they need, no matter which network they’re on.

How is it installed?

One of the strengths of BARS is how easy it is to install. It runs over standard Ethernet cabling that your facilities and IT staff work with every day. The system provides coverage using lightweight, compact remote units that can be placed where needed in your building. Installations can often be completed in days rather than weeks, with minimal disruption to business operations, allowing for immediate service delivery.

Is the system easy to manage?

Yes. BARS includes a user-friendly equipment management system, that allows system integrators or your IT team to remotely monitor and optimize the system. That means fewer service calls, better visibility, and easier troubleshooting. It also makes it easy to add coverage to new areas as your needs or the carrier networks change.