



What's Riding on Your Campus' Wireless Network?

The Campus Coverage Challenge

Campus network managers face an unenviable challenge: ensure seamless, high-capacity wireless connectivity across complex environments — indoors and outdoors — while planning for a future that is guaranteed to change. As network applications and user expectations grow more demanding, the stakes increase.

Organizational productivity, campus safety, revenue generation, and the ability to attract and maintain top-tier talent. There's a lot on the line, and campus environments are notoriously difficult to cover. Masonry walls, energy-efficient glass, underground research labs, packed lecture halls, and sprawling outdoor quads all conspire against reliable cellular service.

Distributed Antenna System (DAS) solutions are uniquely designed to overcome the dual challenge of massive user density and severe signal blockage. Unlike a single cellular tower that tries to blast signals from a distance, a DAS places a network of small, localized antennas throughout a campus to deliver uniform coverage.

When it comes to engineering DAS solutions for today's high-capacity campus environments, nobody is more trusted than SOLiD.

SOLiD DAS: A Strategic Business Decision

- Attract and retain students and top talent
- Power remote collaboration & Industry 4.0
- Ensure 911 communications
- Increase the return on network investment
- Enable a more flexible & mobile workforce
- Improve sustainability & operating efficiency

SOLiD: Trusted Provider of Campus DAS

Since 1998, SOLiD has earned the confidence of the world's most demanding campuses. Despite changes in cellular technology and user demands, our DAS systems continue to perform. Known for streamlined, multi-carrier, multi-band solutions, we reduce network complexity, power usage, and space requirements while meeting peak data demands.

SOLiD's unique modular platform allows you to provide in-building wireless coverage and capacity while deferring costs by deploying what you need today and adding bands or sectors in the future when you need them. Modularity also protects your investment from technological changes like the 4G to 5G migration by enabling incremental changes to avoid rip and replace scenarios.

SOLiD ALLIANCE is the most flexible DAS platform available, featuring remote optical units with power classes from sub-1W, 2W, 5W, 20W, and 40W, all driven by the same headend over a single strand of fiber. The ALLIANCE multi-carrier DAS delivers 4G and 5G commercial cellular and private network communications at premier universities, medical campuses, and Fortune 500 campuses across North America.



Universities & Medical Campuses



Corporate Headquarters



ALLIANCE 5G DAS: Built to Go the Distance

Designed from the ground up to solve the real-world challenges of large, complex venues, SOLiD ALLIANCE 5G DAS delivers the clean, high-capacity coverage that today's campus network managers demand — and the scalability they will need for decades to come.

Since 2009, the SOLiD ALLIANCE DAS platform has consistently outperformed the industry standards for capacity, modular flexibility, operational efficiency, and system reliability. Today, SOLiD ALLIANCE 5G DAS platforms connect a wide range of multi-building campus environments, both indoors and outdoors. Many of those systems have been in constant use for well over ten years.



Higher Education

ALLIANCE 5G delivers seamless coverage across high-density residence halls, student unions, smart classrooms, and sprawling lecture halls.



Healthcare

Ensures seamless cellular coverage without logins for staff who can't afford to lose communications as they move between buildings.



Corporate

Deployed across Fortune 500 tech parks and highly secure facilities (such as the UN Headquarters) to handle multi-carrier data demands.



Industrial

Connects manufacturing, warehousing, and R&D with cellular and private 5G / LTE networks across all major mobile provider frequencies.

Why Campuses Choose SOLiD — and Stay

SOLiD's relationship with campus clients does not end at installation. With in-house engineering and design services, comprehensive training and certification programs for integrators, and dedicated monitoring and maintenance support, SOLiD is with you at every stage of the system lifecycle.

SOLiD's best-in-class training programs ensure that the integrators and technicians who design, deploy, and maintain your DAS know the platform inside and out — reducing errors, accelerating deployments, and minimizing downtime. quickly — protecting your investment and your users' experience.

Designed for Real World Challenges

In an industry marked by frequent change, the ALLIANCE 5G DAS is refreshingly predictable, continuing to deliver reliable, scalable, investment-protecting wireless coverage — from the research lab to the stadium, the dorm room to the boardroom.

Feature	Technical Capability	Business Benefit
Remote Optical Units (ROUs)	Five power classes — sub-1W, 2W, 5W, 20W, and 40W — all driven from a single universal headend.	Deploy only what you need today. Add capacity, bands, or coverage as enrollment grows, buildings open, or carrier requirements evolve — without replacing the core infrastructure.
Single Fiber Strand to the Edge	Remotes use a single fiber strand for both signal and control.	Conserve your campus fiber plant for other critical services. Reduce installation complexity and long-term maintenance costs.
Full Bandwidth, All Bands (150 MHz – 4 GHz)	One platform supports all commercial cellular bands, private LTE/5G, public safety, two-way radio, and paging.	One system for every carrier and use case. Simplify multi-operator deployments and eliminate the cost of running parallel systems.
4th-Generation nBIU Headend	Delivers 2x capability in 70% less rack space than previous generations.	Reduce equipment room footprint and energy costs to optimize available space, lower OpEx, and improve sustainability.
Multi-Generation Modularity	Individual amplifier modules can be swapped or upgraded as technology generations change.	Extended system lifespan — many ALLIANCE systems are going strong after more than 10 years — protects your capital investment and avoids disruptive rip-and-replace cycles.
DASource™ Open RAN Signal Source	Dedicated capacity for ALLIANCE DAS, with each module covering 2x2 MIMO across 2 bands or 4 SISO bands.	Reducing space and energy costs by up to 75% (versus traditional BTS solutions) furthers campus sustainability goals while improving performance.
ALLIANCE DMS Management Software	Centralized, multi-operator DAS management for configuration, monitoring, and diagnostics.	Manage the entire system through a single pane of glass to reduce operational overhead and accelerate troubleshooting.

The SOLiD Difference

- 25+ years of DAS innovation and production
- Most end-point options of any DAS on the market
- Best price-to-power ratio in the industry
- Universal headend — mix and match remotes
- Industry-leading training and certification program
- Standard 3-year warranty + rapid RMA
- Systems still running strong after 10+ years of service
- Global scale, local expertise — US HQ in Texas

Built SOLiD. Built to Last.

SOLiD works with campus facilities and IT teams, mobile network operators, system integrators, and third-party owners to design a system that is right for your environment, supporting your immediate needs and built to last.