



Distributed Antenna Systems (DAS)

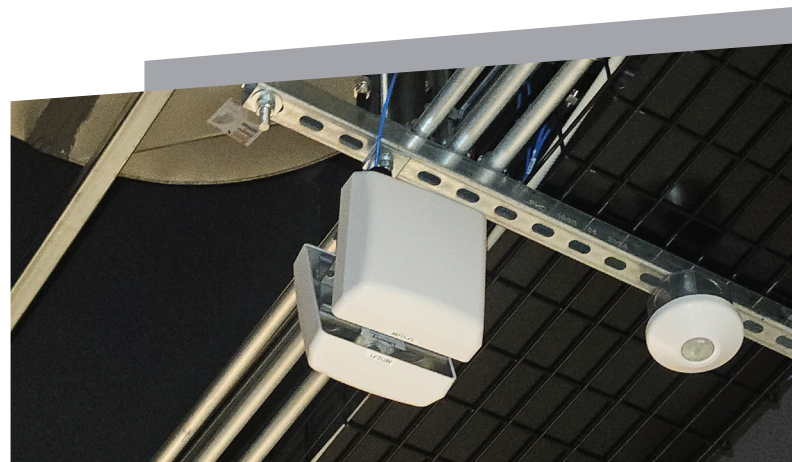
Reliable Cellular Connectivity for Data Centers

Modern data centers depend on seamless connectivity to support operations, maintenance teams, service providers, and emergency response teams. However wireless communication breaks down when dense construction, RF blocking materials, and the secure layout of data centers prevent outdoor wireless signals from reaching interior spaces.

National Technologies (NTI) designs and deploys in building Distributed Antenna Systems (DAS), small cells, and Wi-Fi networks purpose built for data center environments, delivering reliable, multi carrier cellular, two way radio, public safety, and private LTE coverage.

Capabilities

- RF assessment and propagation modeling
- System design and engineering
- Carrier and AHJ approval management
- Equipment procurement and installation
- Commissioning and activation
- As built documentation and closeout packages



Construction Friendly Deployment

- Coordination with GC, electrical, and low voltage trades
- Installation sequenced to align with fit out milestones

Integrated with Data Hall Fit Out

When possible, NTI works upstream in the project lifecycle to ensure DAS is designed and deployed during data hall and facility fit out, not as a costly and disruptive retrofit.

- DAS design aligned with floor plans, rack layouts, and corridor configurations
- Antenna placement coordinated with ceilings, containment systems, and cable pathways
- Head end and riser locations planned to minimize footprint and rework

Future Ready Design

- Capacity planning for carrier expansions
- Scalable architectures for future data hall growth
- Documentation that supports long term operations



Why NTI?

- **End-to-End Lifecycle:** We manage every phase from iBwave design and A&E drawings to construction oversight and 24/7 monitoring.
- **Regulatory & Compliance Proficiency:** Our teams are experts in carrier coordination, AHJ licensing, and public safety grid/DAQ testing for total compliance.
- **Mission-Critical Design:** Services specialized for high-availability, neutral-host DAS, and phased build-outs for secure or RF-challenging spaces.
- **Proven National Scale:** Over 1,000 systems deployed nationwide.
- **Deep Sector Expertise:** Specialized experience in Tier 1 stadiums, data centers, healthcare, and proactive new construction fit-outs.
- **Professional Reliability:** Seasoned Union and non-union teams delivering transparent communication and proactive problem-solving for “day one” connectivity.