

TCS In-Building Wireless



Anytime, Anywhere Wireless Connectivity

Benefits/Features

- Extends secure, reliable wireless coverage into buildings
- Cellular coverage (2G, 3G, 4G)
- Land Mobile Radio (LMR) coverage (first responders)
- Pager coverage (SkyTel, USA Mobility)
- Wireless Local Area Network coverage (WLAN/Wi-Fi)
- Design, install, test, commission, operations and maintenance
- TCS is a vendor-neutral solutions provider

Wireless technology has become the primary communications method in public venues and commercial buildings for both personal communication and first responder services. As wireless penetration rates approach and exceed 100%, users demand that wireless connected electronic devices work just as effectively indoors as outdoors. First responders require reliable, ubiquitous radio coverage to ensure the safety of the public as well as themselves in emergency situations. TCS In-Building Wireless (IBW) Solution provides the products and services to address the most complex mobile challenges.

TCS IBW Solutions enable flexible, secure communications inside structures where radio frequency (RF) signals do not penetrate or are interrupted. TCS designs, installs and services carrier-certified IBW solutions. By deploying a range of wireless solutions, including the construction of an in-building distributed antenna system (DAS) that captures cellular and radio signals either from outside the building or from cellular carrier equipment and retransmits them inside the building, TCS makes secure, reliable wireless communication possible.



See TCS' complete line of products and services at www.telecomsys.com.

Your Established Partner

TCS brings proven, technology problem-solving expertise to its professional service offerings for the public sector. From continuity of operations and information assurance, to cyber security and integrated logistics support, TCS solves the toughest technical challenges, under conditions that demand the highest level of reliability, availability, and security. As an ISO 9000-certified provider with many consultants holding active security clearances, TCS has an established track record over the past decade as a trusted partner providing mission continuity for the Department of Defense, Special Operations, and intelligence communities, the Department of Homeland Security, and the Department of State.

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Why In-Building Wireless?

Safety and Security

- The FCC estimates that 70% of 9-1-1 calls are made from a mobile device
- LMR – Land Mobile Radios work in the buildings when first responders enter
- Security needs can be matched to designated building and campus areas

Convenience and Efficiency

- Estimated 70% of mobile calls and 80% of mobile data originate indoors
- Wireless mobile devices are now a critical part of enterprise information strategy

TCS Solution

Complete Life Cycle Support

- Professional deployment including: Project Management, Site Survey, System Design, Procurement, Installation and Acceptance Testing
- TCS solutions are approved by all major wireless carriers
- Broad-spectrum before and after band scanning and signal analysis available
- Capacity requirements for voice and data mapped into system design
- Broadband distributed antenna system designs offer multi-carrier receptions across multiple communications technologies
- Multiple signal sources solutions available including bi-directional amplifiers, microcells or base station as needed
- Coordinate carrier services and solutions as needed
- System assessments for stability, performance, security and future readiness
- Post-installation warranty
- Proactive operations and maintenance support

TCS Shaping the Mobile Future

In a world transformed by communications, convergence of voice, data and video brings today's mobile society together and enhances our lives, workplaces, communities and security. TCS In-Building Wireless Solutions can help shape the mobile future. TCS provides a one-stop source for managing the entire lifecycle of a wireless network. With a comprehensive product portfolio, TCS supports today's mobile society and helps build the foundation for reliable wireless service. TCS' customer base and corresponding product portfolio makes TCS unique in supporting all communication needs.

