



PRIVATE CELLULAR NETWORKS

for Commercial Real Estate

The Challenge

Multi-use and multi-tenant commercial real estate complexes lose productivity and revenue without high-reliability, high-bandwidth, and low-latency wireless networks. Tenants demand wireless connectivity that can support their digital applications. Operations staff lack visibility into sprawling facilities to minimize energy usage, prevent thefts, mitigate risks to public health, and replace accessories to prevent losses in service quality.

Legacy wired and best-effort Wi-Fi networks fall short as they encounter quality issues due to network congestion. Public cellular coverage has become a utility required by tenants and provided at the owner's expense. However, DAS solutions to increase in-building cellular coverage have been prohibitively expensive.

Private Cellular Networks Enable Rich Communications

Commercial real estate owners can now deploy a private cellular network with shared CBRS spectrum made available by the FCC for commercial use. Private networks are custom designed, taking advantage of the reliability, quality, and security of 4G/LTE and 5G technologies. They offer a unified high-bandwidth, low-latency network to meet the diverse connectivity needs of multiple tenants, smart building operations, and construction partners. They can even solve your in-building cellular coverage problems through a cost effective, neutral host solution.



MIXED USE NETWORKS

CTS designs integrated Wi-Fi and cellular networks for properties that have residences, offices, and shopping areas. Our network slicing capability and unique Total Traffic Manager reserves higher priority for business-critical applications.



MULTI-TENANT PERFORMANCE

CTS's private network and multi-access edge computing ensures consistent performance for bandwidth-rich applications, data security, and privacy for all tenants. We implement policies for individual tenants and monitor service quality to ensure standards are met.



NEUTRAL HOST NETWORKS

CTS offers a neutral host CBRS option for cost-effective, in-building cellular coverage for all of the major cellular carriers.



IOT FOR SMART BUILDINGS

CTS designs and integrates IoT networks to optimize facility utilization with usage-timed lighting, motion-sensor prompted security actions, and regulation of crowds to control infection.

A CTS Private Cellular Network Operates at Peak Performance

Best-in-class network Design Center: The CTS Design Center offers best-in-class RF and 3D modeling for multi-operator and multi-technology solutions. Our team will create a custom design based on your exact needs.

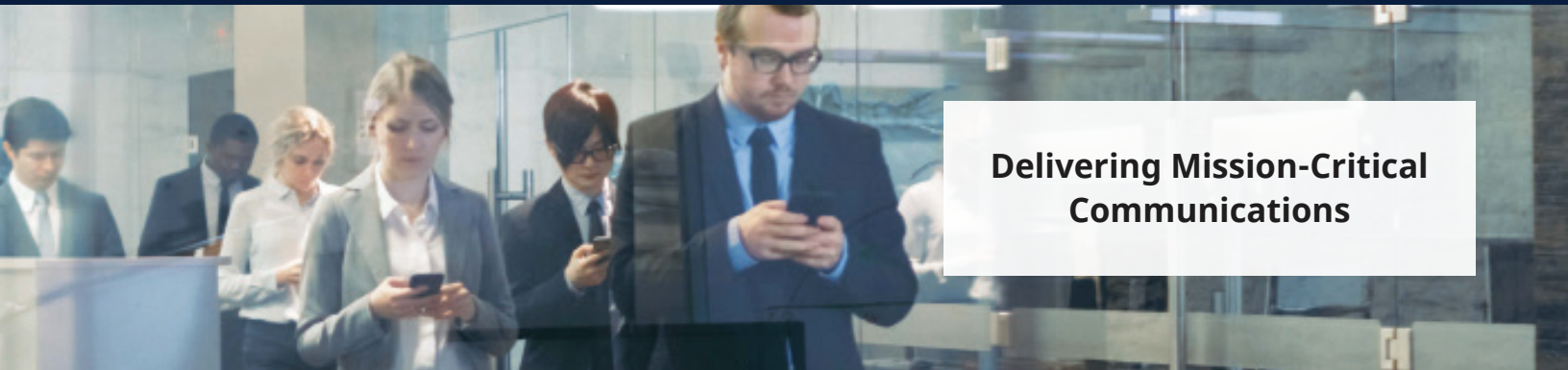
Comprehensive network construction services: CTS has completed 12,000 wireless projects nationwide ranging from arenas, airports, universities, hospitals, commercial real estate, outdoor solutions, and more.

Flexible deployment options: CTS offers options for cloud-hosted networks that are quick to deploy, and options for a variety of on-premises networks for greater security and higher performance.

Ongoing monitoring and management services: CTS offers 24-hour monitoring, uptime analysis, firmware upgrades, remote troubleshooting, and emergency dispatch from our Network Operations Center (NOC).

CTS offers enterprises comprehensive private cellular network solutions that leverage LTE and 5G technologies. Our networks provide secure communications to process growing traffic volumes from bandwidth-hungry and time-sensitive applications. CTS services are available as a complete end-to-end solution so that you can get all the benefits of a private cellular network without the complexities of installation and ongoing maintenance.

Your Network. Your Data. Your Rules.



Delivering Mission-Critical Communications



WHY CTS

CTS provides custom, carrier-grade, in-building and campus connectivity solutions for enterprises and mobile network operators, solving and managing the most complex networking challenges. Leveraging our advanced design and network operations centers, CTS provides our customers with industry-leading customer service. Our ability to design, build, run and support connectivity solutions that power our customers' mission-critical applications is unmatched. CTS only provides one solution: the one that's right for the customer. CTS is vendor-agnostic, allowing customer requirements to drive the right design, using the right equipment, to fit each customer's specifications, anywhere across the country. From conception to construction to operations, CTS is the trusted connectivity partner.