



PRIVATE CELLULAR NETWORKS

A Managed Service for Mission-Critical Enterprise Communications

The Challenge

The wireless industry is beginning a transformation as important and wide-reaching as the introduction of Wi-Fi was two decades ago. Using CBRS radio frequencies, individual organizations can create their own Private Cellular Networks (PCNs), taking advantage of the reliability, quality of service and security of 4G/LTE and 5G cellular networks.

The Private Wireless Solution

Unlike Wi-Fi, which uses unlicensed spectrum, private cellular networks utilize licensed FCC spectrum to deliver a network with high availability, reliability, QoS and true mobility that delivers where Wi-Fi falls short. However, planning, deploying and operating private cellular networks is far more complex than Wi-Fi. Specialized software tools and certified professionals are required to design and install the network for optimum operations. The radios connect to an Evolved Packet Core or 5G Core to control the network. Mobile network operations expertise is required to manage both the core and radio access networks to deliver peak application performance. So, while the advantages of private LTE and 5G are many, so are the number of deployment and operational challenges for those lacking expertise in mobile network management.



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 19,000 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-premise 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).



The CTS Solution

CTS designs a private cellular network customized to meet your application requirements. Private LTE is the ideal backbone for your IoT, automation and mission-critical voice services, all delivered and managed with CTS's comprehensive, proven managed service.

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.

CTS Only Provides One Solution:
The One That's Right For The Customer.

Your Network. Your Data. Your Rules.



WHY CTS

Communication Technology Services (CTS) is the industry leader in DAS, small cells, Wi-Fi, and private cellular networks, having successfully deployed over 12,000 in-building wireless networks nationwide. Leveraging its three decades of experience, CTS designs, deploys, manages, and supports networks of virtually all types, across all major industry verticals.

Utilizing its state-of-the-art network design center, Network Operations Center (NOC) and nationwide workforce of over 400 employees, CTS has evolved to become the premier provider of DAS, small cell and private LTE/5G networks to enterprise and public sector clients, delivering both turn-key implementations and end-to-end managed services.