



PRIVATE CELLULAR NETWORKS For Healthcare

Secure In-Building Wireless Coverage

The Challenge

Healthcare facilities use networks to manage lifesaving communications, administer patient care and improve the patient experience. Healthcare networks have to be secure and robust enough to connect people, equipment and medical devices. From critical communications like patient telemetry and scans; to tracking mobile diagnostic equipment like medication carts; to non-critical communications like visitors' watching videos in the waiting room: bandwidth use keeps accelerating.

Today, many hospitals rely on Wi-Fi and public cellular for connectivity even as the limits of currently deployed Wi-Fi solutions are reached. The mandates of improving quality of care and lowering costs mean that hospital IT directors should take a look at new, private, 5G networks.

The Innovative Solution

Using CBRS radio frequency, facilities can create their own Private Cellular Networks (PCNs) to benefit from the tremendous advantages of 4G/LTE and 5G cellular technology. Cellular technology security helps achieve

HIPAA healthcare requirements, provides high availability for the critical nature of healthcare, and creates control and prioritization down to the application level. Private cellular networks use licensed FCC spectrum and provide reliability, quality of service and true mobility that delivers where Wi-Fi falls short.



FIXED WIRELESS ACCESS

Remote or ad hoc mobile access



NETWORK CONVERGENCE

Reduce capex and opex



MISSION-CRITICAL COMMUNICATIONS

Prioritize users or applications



BUSINESS CRITICAL COMMUNICATIONS

Ensure high reliability and security, and low latency



A Carrier Trusted Partner

At CTS, we have pioneered a comprehensive approach to designing, implementing and operating carrier-grade cellular networks for healthcare. We design and manage your network using low-cost, licensed CBRS radio spectrum and proven cellular technologies used by the world's largest mobile network operators. We build a private cellular network tailored to meet your application requirements, with the security, reliability and latency you need backed with CTS's comprehensive, proven managed service.

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

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 wireless network without the complexities of installation and ongoing maintenance.

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 and operations centers, and nationwide workforce of over 400 employees, **CTS** has evolved to become the premier provider of DAS, small cell and private LTW/5G networks to enterprise and public sector clients, delivering both turn-key implementations and end-to-end managed services.