



PRIVATE CELLULAR NETWORKS for Exceptional Hospitality

The Challenge

Guests' expectations of digital experiences in hotels have lowered since Wi-Fi and public cellular networks frequently don't provide coverage or lack the performance for high-quality communication. Bandwidth demand spikes when guests do video calls, when fans share videos of celebrity events, and when conferences broadcast live sessions. Customers' demands for convenience are addressed with digital signage, self-service kiosks, mobile applications for door keys and housekeeping, and AR/VR virtual tours.

Hotel wireless networks must fulfill diverse connectivity needs for guests, staff, partners, IoT sensors for building management, and seamless roaming between indoor and outdoor. Increasing Wi-Fi access points has a negative effect and deploying DAS to increase cellular coverage is not always affordable.

Private Cellular Networks Ensure Five-Star Experiences

Hotels and venues can deploy private cellular networks with shared CBRS spectrum made available by the FCC for commercial use. Private networks are custom-designed for hotel needs for reliability, quality of service, and security. By using 4G/LTE and 5G technologies, they have the reach to extend high-quality services to guest rooms, lobbies, outdoors, extended hotel properties, and partner events in the vicinity. They can even solve your in-building cellular coverage problems through a cost-effective, neutral host solution.



NEUTRAL HOST NETWORKS

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



HIGH NETWORK QUALITY

CTS's private networks and edge computing meet the performance needs of bandwidth-rich video and digital signage. CTS provides managed services to meet your custom needs. The services monitor network quality metrics with AI for consistent quality of service.



INDOOR AND OUTDOOR COVERAGE

CTS's private networks have the reach to connect outdoor events and activities. It saves you the inordinate expense of extending multiple Wi-Fi access points and cable connections outdoors. You can leverage video analytics to monitor outdoor areas and alert first responders on push-to-talk radios should an emergency occur.



QUALITY OF SERVICE

CTS prevents downtime with constant monitoring. Our network slicing capability and unique Total Traffic Manager differentiate network services' quality, reserving higher priority for business-critical applications. You can confidently organize and stream live broadcast bespoke events.



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.

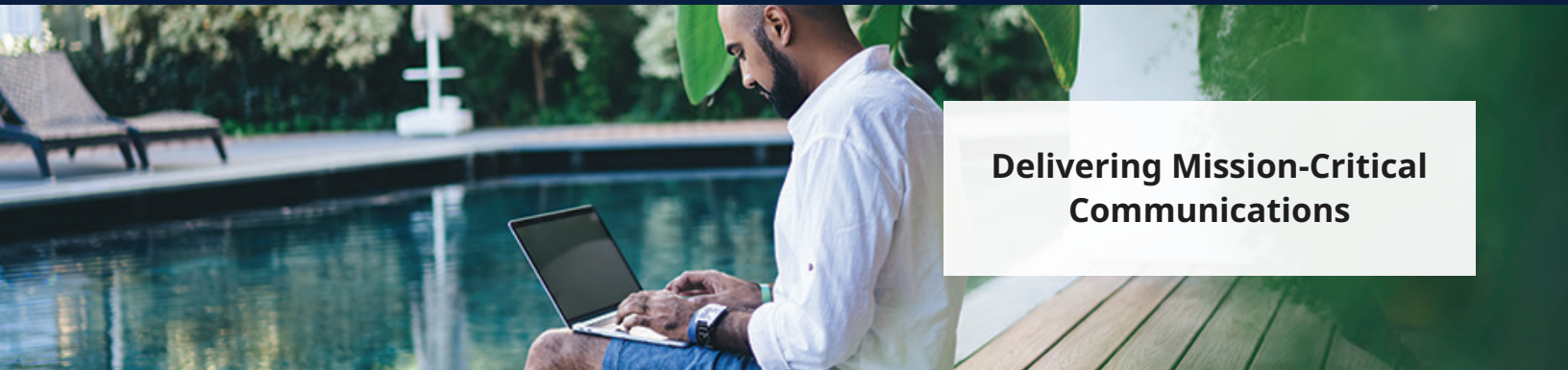
Comprehensive network construction services: CTS has completed 12,000 wireless projects nationwide ranging from arenas, airports, universities, hospitals, commercial real estate, outdoor solutions, and more.

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.