



Suite of Services

Customer first • Integrity • Responsiveness • Caring • Leadership

COMMDEX

C.I.R.C.L.E. of Excellence

Microwave & Fiber Backhaul Networks

- Network design of backhaul systems (fiber, microwave, point to point, point to multi-point, etc)
- Microwave engineering including path design, network reliability calculations, path surveys, capacity and throughput analysis, frequency coordination, and network optimization.
- IP/MPLS network engineering including IP planning, architecture design, bandwidth analysis, and ring protection.



Wireless Communications Networks

- Planning, design, deployment and optimization of wireless communications networks (P25 Land Mobile Radio, 4G/5G, WLAN) including propagation modeling, interference studies
- Design/installation of in-building coverage and Distributed Antenna Systems (DAS) to provide enhanced coverage inside large buildings.
- New equipment evaluation, testing and selection - Equipment installation and optimization
- Coverage and Acceptance Testing



In-Building Wireless Solutions (DAS/ERRCS)

- Network coverage and capacity requirements gathering
- In-building propagation analysis with iBwave
- End-to-end DAS installation & system optimization and acceptance testing
- Remote system monitoring, collection, and reporting



Interoperability Planning & Fleetmapping

- Assess pertinent emergency response scenarios, and develop solutions that support interoperability and incident management linking disparate communications systems at the local and state levels.
- Manage fleetmapping process for consoles and subscribers to ensure that fleetmap is thorough and well thought out to allow expedient response to emergency situations.



Command/Control Communications Centers

- Mobile and fixed network operations centers, including radio consoles, remote video surveillance systems and IP based radio gateways to provide connectivity to state and local communications networks.
- Solutions such as CAD, AVL, Video Analytics, NG-911, etc to provide dispatch personnel the analytical power to recognize trends, maximize effective deployment, manage operations and anticipate problems before they strike.



ABOUT COMMDEX:

CommDEX is an ISO-9001 and TL 9000 certified mission-critical communications system integrator with over twenty years of experience working on critical communications systems in all 50 states. CommDEX is intimately familiar with the complexities of modern, leading-edge communication systems and how these systems can meet the needs of mission critical users. We possess in-house capabilities from needs analysis to system and design, system integration, implementation, and maintenance support paired with our certified quality processes. From our experienced staff with expertise to our disciplined processes, we bring a total solution to meet your needs.



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