

AUTOMATION: COMMUNICATION NETWORKING SERVICES



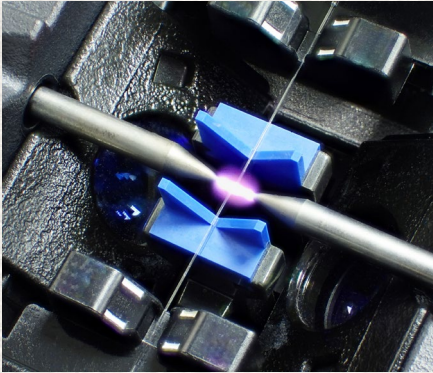
EXPANSEELECTRICAL.COM

Ensure Robust & Reliable Connectivity in Remote Locations with Expanse

Advanced technology-driven assets require reliable and resilient, high-capacity networks that operate over large areas. Remote locations and extreme environmental conditions often add to the complexity of establishing a reliable communication infrastructure.

Expanse specializes in building robust and reliable network communication solutions through hardwired and wireless structures. These structures simultaneously deliver broadband speeds while forming a scalable end-to-end communication foundation to securely support multiple fixed and mobile applications.

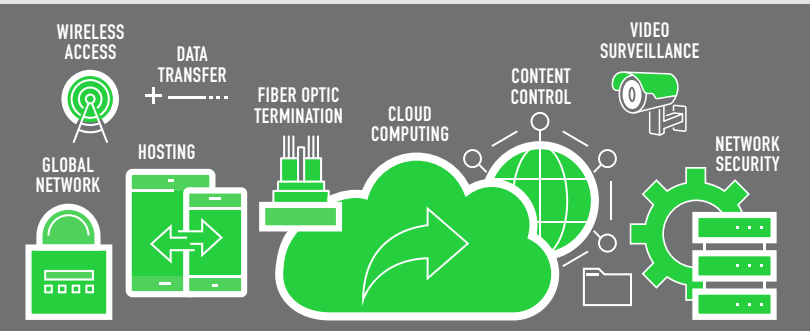
Our services include the ability to perform complete turnkey design/build projects. We can also modify existing facilities while maintaining service, helping you improve efficiency while reducing downtime, safety risks and costs.



The Expanse Advantage

- Custom Connectivity Design Capabilities
- Enterprise Wireless Solutions That Adapt to Evolving Needs & Technologies
- Secured Technologies to Proactively Monitor & Manage Communication Assets
- Existing MSAs with Majority of Operators

TURNKEY CONNECTIVITY SOLUTIONS



Capabilities

Path studies – Determine the viability of a RF path and estimate antenna height requirements utilizing point-to-point RF analysis. The studies also provide data related to the optimum azimuth, elevation and link budget for the most effective wireless uptime.

Hosted private networks – Isolate and secure your cellular network from the rest of the internet with a hosted private network. Add-on options include a private tunnel to route all traffic from your HPN to your router/firewall; addition of a VPN server to allow access into your HPN through a secure multi-platform; and options to filter content.

Wireless networks – Create network connections in areas where terrestrial fiber, cable or wireline infrastructure is not available via cellular modems from Expanse. Our broadband connection provides secure access to the internet and Expanse's private network to keep crucial operations online.

Localized radio communication – Receive last mile wireless network performance and reliability through the use of multi-frequency radio communication assets – licensed and unlicensed frequencies. Our offerings enable unprecedented scalability, high throughput and low latency in unlicensed, multipoint networks.

Fiber optic termination – Expanse utilizes fusion splicing technology when terminating fiber optic cables. This process utilizes heat to fuse two optical fibers, facilitating the continuous transmission of light over long or short distances with minimal losses.

Real-time video feeds and security surveillance systems – Enhance facility security with electronic access control at entry points or secure locations; video security at gates or around site perimeters. With remote situational awareness we deliver early visibility into critical situations unfolding.

Remote-based support - Upgrade, update and troubleshoot your equipment without the need for a service technician to visit your site. Utilizing our VPN we can remotely monitor and analyze your assets for a comprehensive, actionable and timely response.



Why Expanse?

- 24/7 Emergency Response
- 70+ Years of Experience
- Turnkey Services & Solutions
- In-House Engineering Department
- Experienced Craftsmen
- Local Expertise on National Scale
- Customer Support Across Geographical & Operational Spectrums

EXPANSE
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FOR MORE INFORMATION

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