



KURTEK

CURATED TECHNOLOGIES

ADVANCING TECHNOLOGY ♦ ADVANCING HUMANITY

ENTERPRISE ARCHITECTURE NETWORK ENGINEERING

KEY CAPABILITIES

Design ♦ Architecture and Topology ♦ Traffic and Bandwidth Modeling ♦ Fault Tolerance and Link Redundancy ♦ Quality of Service (QoS) ♦ Protocols and Addressing ♦ Routing ♦ Access Controls ♦ Intrusion Detection and Prevention

Implementation ♦ Component Configuration and Staging ♦ Installation and Cabling ♦ Link Testing ♦ Performance Validation

Operation ♦ Device Configuration Management ♦ Availability and Performance Monitoring ♦ Traffic and Bandwidth Monitoring ♦ Network Operations Center (NOC) Support

Every aspect of mission operations, from safety-critical commanding to dynamic user services, relies on robust, high-performance enterprise networks. Kurtek provides a range of network engineering services that combines proven design expertise, effective network performance tuning experience, and rigorous administration and monitoring practices to enable rapid, cost-effective network implementation, reduce component configuration and deployment timelines, support mission-unique requirements, and ensure compliance with partner agreements and agency mandates.

Kurtek engineers have experience with all aspects of the network engineering lifecycle, including network planning, architecture, and detailed design; component configuration, staging, and deployment; and network operation, administration, and optimization. We have successfully designed and deployed networks ranging in scale from standalone, air-gapped sites to international, cross-agency enterprise and cloud networks, and have optimized network performance and availability to meet a variety of mission-critical requirements.

Working with Kurtek gives you access to a proven combination of experience and expertise from across the global space industry. Our engineers have architected numerous mission-critical enterprise systems, and their comprehensive knowledge, broad mission experience, and specialized skillsets enable us to deliver an effective solution for your unique needs.

REPRESENTATIVE PROGRAMS

- Designed, implemented, and maintained a high-availability, multi-domain enterprise network to provide cross-agency mission operations and user services for NOAA and multiple partner agencies.
- Implemented a high-performance network to deliver bulk mission data from overseas partners to NOAA data centers.

To learn more about our capabilities, email us at info@kurtek.io or call our team at **703-943-7236**.