BlackHawkData

Intelligent Networking

Networks That Don't Just Connect — They Perform

BlackHawk Data

blackhawk11.com

BlackHawkData

EXECUTIVE SUMMARY

From campus LAN to global SD-WAN, BlackHawk Data designs and deploys intelligent networks that are fast, resilient, segmented, and ready for modern workloads including AI. We've connected 2,400+ sites across the nation — and we operate them 24x7.

Intelligence is the new infrastructure. Our AI-driven approach ensures your network doesn't just connect — it continuously adapts, optimizes, and evolves. We build resilient, scalable network foundations that become strategic business enablers.

INTELLIGENT NETWORK ARCHITECTURE AT SCALE

From single-site upgrades to 1,000+ location rollouts, we build the networks that run your business. Our comprehensive networking services cover every aspect of modern enterprise connectivity.

Enterprise Campus & Wireless (Wi-Fi 6/7)
Modern campus networks with segmentation, automation, and analytics. 70% of enterprises are expected to adopt Wi-Fi 7 by 2027 — we build networks that are ready.

Capabilities:

- Campus network design (Cisco Catalyst 9000, DNA Center)
- Wi-Fi 6E/7 wireless design and deployment
- Meraki cloud-managed networking
- FortiSwitch integration with Security Fabric
- 802.1X/NAC implementation
- Network segmentation and VRF design
- Predictive RF modeling and site surveys

Software-Defined WAN (SD-WAN)
Replace expensive MPLS with intelligent, application-aware SD-WAN. With 65% of SD-WAN purchases expected as part of SASE by 2027, we deploy integrated solutions from Fortinet, Cisco, and Cloudflare.

Capabilities:

- Fortinet SD-WAN (NGFW-integrated)
- Cisco SD-WAN (Viptela)
- Cloudflare Magic WAN
- Application-aware routing and SLA-based path selection
- MPLS-to-internet migration

BlackHawkData

- Multi-hub and regional hub architectures

OT & IoT Network Architecture

OT and IoT devices are connecting at an accelerating rate — often without proper segmentation. We design converged IT/OT architectures that safely integrate industrial systems, building management, and IoT sensors.

Capabilities:

- IT/OT convergence architecture
- Industrial Ethernet design
- IoT network segmentation
- SCADA and BMS integration
- Ruggedized network equipment deployment

NETWORK LIFECYCLE MANAGEMENT

From initial design through continuous optimization — we own every phase of your network's lifecycle. Our comprehensive approach ensures your network evolves with your business needs.

Plan Phase

Strategic planning sets the foundation for network success:

- Architecture design — Comprehensive network architecture aligned with business objectives
- Capacity modeling — Predictive analysis to ensure network meets current and future demands
- IT/OT strategy — Convergence planning for integrated operational and information technology

Build Phase

Expert deployment and implementation services:

- LAN/WAN/Wireless deploy — Multi-site rollouts with minimal disruption
- Cloud interconnect — Secure connectivity to cloud services and SaaS applications
- Multisite rollout — Coordinated deployment across distributed locations

Operate Phase

24x7 network operations and optimization:

- 24x7 NOC — Network Operations Center with continuous monitoring

- Fault detection — Proactive identification and resolution of network issues
- Performance optimization — Continuous tuning for optimal application performance

Manage Phase
Ongoing management and governance:

- Compliance management — Adherence to regulatory and industry standards
- Firmware lifecycle — Systematic patch and upgrade management
- SLA reporting — Performance metrics and service level agreement tracking

KEY STATISTICS & MARKET TRENDS

The networking landscape is evolving rapidly. Key market indicators demonstrate the importance of modern, intelligent networking:

Metric	Value	Implication
Sites Deployed	2,400+	Proven multi-site deployment expertise
Market Size by 2030	$298B	Massive investment in enterprise networking
Wi-Fi 7 Adoption	70% by 2027	Next-generation wireless becoming standard
GenAI Network Configs	25% by 2027	AI-driven network automation emerging

Table 1: Networking Market Trends

WHY BLACKHAWK DATA

BlackHawk Data brings together deep technical expertise, proven methodologies, and strategic partnerships to deliver networking solutions that drive business outcomes.

Strategic Partnerships:

- Cloudflare Elite Partner — Edge networking and security expertise
- Fortinet Expert Partner — SD-WAN and security fabric integration
- Cisco Gold Partner — Enterprise campus and wireless solutions

Ready to transform your network? Contact BlackHawk Data to schedule a network assessment or discuss your networking requirements.

blackhawk11.com | (877) 383-1845 | info@blackhawk11.com