

# ***INFINITE NETWORKS***

***PROFESSIONAL SERVICES  
FOR ADVANCED TECHNOLOGIES***



***25 YEARS OF DEDICATED SERVICE***





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P R E S I D E N T

## INTRODUCING *INFINITE* *NETWORKS*

Infinite Networks began in 1999 with a single cabling installation. Twenty-five years later, we design, install, and commission the infrastructure that keeps modern organizations running — structured cabling, data centers, wireless systems, and audiovisual technology — for hundreds of clients across the globe.

Networks play a central and critical role in how businesses operate. When they break down, the consequences are real — both functionally and economically. Our mission is to make sure that doesn't happen to you. We design systems that are reliable by default, scalable by intent, and built to earn you a return for years to come.

We partner with our clients to deliver results that meet today's needs and support future growth.



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**Information Transport Systems for the Future** — that's both our goal and the result of every cabling project we deliver. At Infinite Networks, our structured cabling services start with detailed planning and intelligent design to ensure long-term performance and maximized ROI. Whether upgrading existing copper infrastructure or designing a new cutting-edge fiber optics system, we deliver seamless integration backed by more than twenty-five years of global deployment experience. Guided by **BICSI-certified** expertise, our network cabling solutions provide the reliability and predictability your business depends on.

### Structured Cabling Design & Installation

We believe every high-performance network begins with smart design. A well-engineered structured cabling system isn't just about connecting devices — it's about creating a foundation for speed, reliability, and scalability.

With decades of experience, we've mastered the art of designing and installing structured cabling systems that stand the test of time. From **MPOE, DMARC, MDF, IDF and NER** optical fiber backbone design to high-bandwidth twisted pair copper cabling, our focus is on precision, consistency, and quality craftsmanship.

### Global Standards

At Infinite Networks, we design and build systems that meet the highest global standards — because true performance and reliability start with doing things according to an approved standard everywhere.

Our network infrastructure designs are developed to align with **NEC, OSHA, TIA/EIA, ANSI, IEEE, IEC**, and all local AHJ requirements. This ensures every installation is not only globally consistent but also locally compliant and ready for inspection from day one.

We follow BICSI standards and best practices, integrating them into every stage of our consulting, design, and installation process.

The result is a unified approach that balances performance and serviceability with regional building codes — giving our clients a well-documented, trusted standard for every project, anywhere in the world.





## Low-Loss Fiber Optic Cabling

Our certified team specializes in designing, installing, fusion splicing, terminating and certifying low-loss fiber optic cabling systems that deliver uncompromising performance. Our engineering approach begins with precise design for the application — selecting the right fiber type, connector technology, and routing strategy to ensure maximum efficiency and minimal signal attenuation.

Our RCDDs lead a highly certified team of technicians with decades of experience. Our fiber experts understand that network speed and reliability depend on the cleanliness of every connection. That's why our low-loss fiber systems are engineered for performance, scalability, and longevity — keeping your data moving at the speed of innovation.

## High-Performance Copper Cabling Systems

Infinite Networks was founded on the strength of its cabling expertise — beginning with what we now call “legacy” systems such as two-pair, CAT3, CAT5, and CAT5e. Today, we engineer high-performance copper cabling systems that set the standard for reliability and speed.

Our team designs, installs, and certifies complete copper infrastructures using **CAT6, CAT6A, CAT7, and CAT8** cabling to power today's high-speed networks, Power over Ethernet (PoE) applications, and tomorrow's emerging technologies.

We take a design-driven approach — planning cable pathways, cable management, rack elevations, and patch-panel layouts to minimize interference and maximize throughput. Every installation is tested and certified to TIA/EIA and ISO/IEC performance standards, ensuring consistent signal integrity throughout your network.

From enterprise campuses to industrial facilities and mission-critical data centers, Infinite Networks delivers copper cabling systems that provide low latency, exceptional bandwidth, and long-term reliability. Backed by our manufacturer certifications, we can proudly offer lifetime craftsmanship warranties — standing firmly behind every system we build.

At Infinite Networks, we understand that data center infrastructure and cabling must achieve one non-negotiable goal — zero downtime. Over the past two decades, we've become trusted experts in the data center environment, supporting Big Data, High-Performance Computing (HPC), AI, and Hyperscale operations. Our deep experience in planning, design, installation, and maintenance ensures every system we deliver is reliable, efficient, and always operational — built to meet the performance demands of today and the innovations of tomorrow.

### Design to Build

Our proven design-to-build process eliminates errors, prevents cost overruns, and minimizes future issues. Our certified **IDCA Data Center Experts (DCE)** and **BICSI Data Center Design Consultants (DCDC)** have developed advanced methods of designing and deploying data center infrastructure and technology.



### Rack and POD Design

Every rack we design is built on precision, efficiency, and scalability. Our core design principles focus on **optimizing airflow management**, integrating intelligent power distribution (PDUs), and **maintaining clean cable management** through vertical and horizontal organizers, angled patch panels, and proper enclosures for superior accessibility and cooling. We engineer racks and airflow containment systems to handle high-density deployments, leveraging taller frames, modular layouts, and scalable configurations to meet future demands. As data centers have evolved, we began to integrate liquid cooling systems, smart rack monitoring sensors, and sustainable materials for energy efficiency and long-term reliability.

The result: Rack and cabinet building blocks that maximize performance, simplify maintenance, and provide a stable, efficient foundation for mission-critical IT environments.



## DC Cable Pathways and Structured Cabling

We engineer structured cabling systems that combine precision, organization, and scalability. Our designs begin with intelligent cable pathways — including under-floor or **overhead ladder racks, fiber ducting, and cable trays** — that support clean routing, proper bend radius, and optimized airflow.

We integrate both fiber optic and copper cabling to match each application's performance requirements: high-bandwidth fiber for big data, and twisted-pair copper for horizontal runs.

We offer high-density connectivity with advanced **MTP/MPO and MMC trunk** solutions, enabling rapid deployment, modular growth, and simplified maintenance. Supported by premium patch panels, racks, and cable management accessories, every installation is built to deliver exceptional reliability, neat organization, and long-term serviceability.

## IT and HPC Equipment Installations

Our regional teams specialize in the deployment, integration, and optimization of IT and High-Performance Computing (HPC) environments. We deliver complete infrastructure solutions supported by clean structured cabling and intelligent power distribution.

We manage configuration and integration across data management platforms, virtualization systems, and DCIM software to ensure reliable performance. Our capabilities include IP addressing, console server configuration, BIOS setup, testing, commissioning, and failover validation to support uptime and resilience. Our team is experienced with advanced interconnects including **Fibre Channel, iSCSI, RoCE, and InfiniBand**, as well as **Software-Defined Networking (SDN)** platforms such as **SONiC**. We also support HPC cluster deployment and orchestration for scalable GPU compute environments optimized for AI, simulation, and big-data workloads.



## Retrofits, Relocation, Decommissioning, and Recycling Services

Beyond deployment, Infinite Networks provides ongoing **maintenance, upgrades, hardware audits, relocation, and decommissioning services**, ensuring your infrastructure continues to perform flawlessly throughout its lifecycle. We also offer **environmentally responsible disposal and recycling** including **certified data destruction services**, guaranteeing that all sensitive information is permanently and irreversibly erased before hardware disposal or repurposing.

With Infinite Networks, you can trust that your equipment — and your data — will be handled with the highest levels of security, compliance, and environmental responsibility from start to finish.



We deliver advanced wireless solutions that keep communications fast, reliable, and interference-free across diverse environments.



**ekahau**

### **Ekahau Wireless Design and Validation Services**

We leverage Ekahau AI Pro and advanced survey tools to design, validate, and optimize high-performance wireless networks across enterprise, industrial, healthcare, retail, and data center environments. Our certified engineers use a data-driven approach to ensure coverage, capacity, and performance meet your operational requirements.

Our goal is simple: design it right, validate it thoroughly, and ensure it performs reliably in the real world.

### **Predictive Design with Ekahau AI Pro**

Advanced modeling of floorplans, wall attenuation, capacity planning, and device density to engineer wireless networks before deployment.

### **Directional Antenna Modeling**

Precision design for high-bay warehouses, manufacturing facilities, and large open environments.

### **Passive Surveys**

Measure existing RF conditions, signal strength, interference, and coverage performance.

### **Active Surveys**

Validate real-world throughput, roaming behavior, and application performance.

## APoS (Access Point on a Stick) Testing

Pre-deployment validation of access point placement to confirm optimal coverage and minimize rework.

## Post-Installation Validation Reports

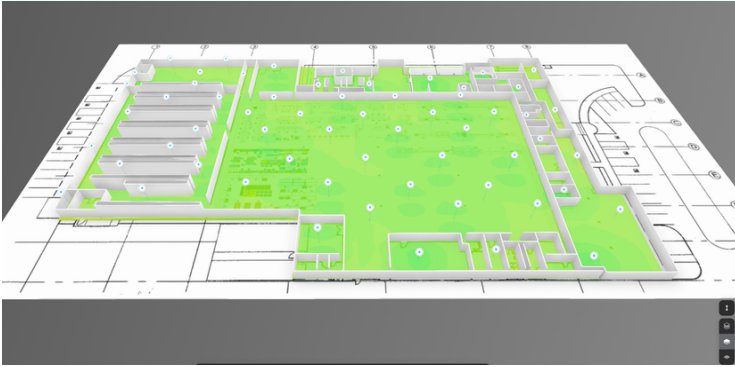
Detailed heatmaps, performance metrics, and documentation to verify SLA compliance and design objectives.

## Wireless Troubleshooting & Optimization

Identify co-channel interference, roaming issues, capacity bottlenecks, and performance degradation.

## Ongoing Performance Monitoring & KPIs

Support cloud-based reporting and dashboards to maintain visibility into wireless health over time.



## Wireless Project Work.

### From Design to Validation—Wireless Built for Any Environment

Reliable wireless connectivity is essential across offices, data centers, industrial facilities, warehouses, and retail environments. We design, deploy, and validate enterprise-grade Wi-Fi 6 and next-generation wireless networks that support employees, guests, mobile devices, scanners, and IoT systems.

Our solutions are engineered to deliver secure, high-performance connectivity with the coverage, capacity, and reliability required to keep operations running efficiently.





## Audiovisual Systems

Today's audiovisual systems do more than connect people—they drive collaboration, strengthen communication, and elevate how organizations engage internally and externally. When thoughtfully designed, they also unlock creativity and transform the way teams present, train, and sell.

With years of hands-on experience implementing multimedia technology solutions, our San Jose team designs complete audiovisual environments aligned with your operational goals. We focus on intuitive user experience, seamless integration, and long-term reliability—ensuring your audiovisual systems are powerful, easy to use, and built to support the way your team works.



## Enterprise Audiovisual Systems

We design, integrate, and support enterprise audiovisual environments that improve communication, collaboration, and user experience. Our certified AV engineers combine audiovisual expertise with structured cabling, networking, and wireless infrastructure to deliver systems that are intuitive, reliable, and built for long-term performance.

Our goal is simple: design it right, integrate it seamlessly, and deliver an exceptional user experience.

## Video Conferencing & Collaboration

Create productive meeting spaces that connect teams anywhere in the world. Professional design and integration of conference rooms, boardrooms, huddle spaces, training rooms, and all-hands environments featuring enterprise-grade cameras, microphones, speakers, displays, and room scheduling technologies.

## Video Walls

Transform spaces with immersive visual experiences.

Design and installation of LED and LCD video walls for executive briefing centers, network operations centers, lobbies, experience centers, classrooms, and public venues with precision alignment and centralized management.

## Digital Signage

Deliver dynamic messaging that informs, engages, and inspires.

Implementation of digital signage systems for corporate communications, interactive wayfinding, dashboards, menu boards, retail promotions, and real-time information displays using intuitive content management platforms.

## AV over IP & Networked Media

Modern audiovisual systems built on enterprise networking.

Deployment of scalable AV over IP technologies including Dante audio networking, Crestron DM NVX, Extron NAV, SDVoE, and other IP-based transport platforms designed for flexibility and future growth.

## Audio Systems

Engineered audio that sounds as good as it performs.

Professional sound reinforcement, distributed audio, paging systems, digital signal processing (DSP), acoustic optimization, and networked audio solutions for every environment.

## Room Control & Automation

Simple control for complex technology.

Integrated touch panel control systems, room scheduling, occupancy automation, lighting integration, environmental controls, and centralized management that make sophisticated AV systems easy to operate.

## Workstation Technologies

Technology that supports today's hybrid workforce.

Deployment of docking stations, desktop monitors, webcams, USB-C connectivity, professional headsets, speakerphones, desktop microphones, and personal collaboration technologies that improve productivity in every workspace.

## Audiovisual Infrastructure

The foundation behind every successful AV system.

Equipment rack design, AV rack integration, structured cabling, fiber optics, power distribution, cable management, labeling, documentation, testing, and commissioning built to enterprise standards.



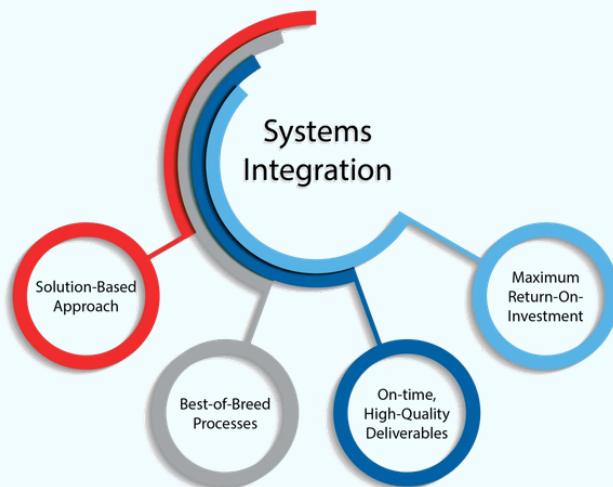
## Project Management & Lifecycle Services

Complete project delivery from concept through support.

Professional project management, procurement, staging, installation, programming coordination, commissioning, training, preventative maintenance, managed services, and technology refresh planning.



Prepare, configure, consolidate, kit, ship, and then deploy technology with more efficiency on-site. Infinite Networks has several regional locations built to provide integration center services, we have also designed and built pop-up integration center space dedicated to projects.



### Comprehensive Equipment Handling & Preparation

Equipment will be received and securely stored in temperature and humidity controlled space.

- Inventory and supply chain management – Reporting what was received and order tracking
- Disposal of excess packing materials reduces or eliminates project site trash – we organize equipment and create installation kits
- Asset tagging and labeling devices
- Burn-in (power up), report and manage any RMAs with distributors and manufacturers

### Device Configuration & Optimization

- Types of hardware we have worked with in our IC spaces include
  - Switches, Routers and other Network appliances
  - Servers and Storage devices
  - Laptops and workstation devices
  - Audiovisual equipment for conference rooms and other AV
  - Wireless access points
  - We can provide secure VPN and console access to devices for customers to load configs or test devices
  - We commonly build installation kits for projects, this streamlines the onsite work by organizing the shipment with instructions.
- Complete [data center rack build and crating](#)
- Outbound shipping and logistics support
- Cost is competitive and the pricing structure is tailored to the project requirements



### Pre-Integrated Rack & Deployment Services

Let us build your data center, audiovisual, or custom racks ahead of deployment to streamline installation and reduce on-site risk.

- Our team specializes in pre-integrated “rack-and-roll” deployments.
- Fully racked, patched, configured, labeled, and tested systems can be shipped or transported to sites worldwide.
- We minimize delays and deployment issues by resolving RMAs and technical challenges before delivery.
- Standardized rack elevations, cable routing, and device labeling ensure consistency and scalability.
- Intelligent, well-planned rack designs support high availability and long-term serviceability.
- Every build is clean, organized, and engineered for both performance and reliability.

### Streamline Your IT Deployments with Expert Integration Services

Our team of experienced IT consultants and engineers are ready to work with you to develop deployment processes that are highly efficient and that also minimize risks. When working with us, you will have access to professionals who can prepare your equipment prior to onsite installation for a reasonable price. We will make sure to manage the RMA process and prevent critical installation timelines from being thrown off track.

We work with a solution-based approach to provide high-quality deliverables in a timely, cost-effective manner. Our goal is to maximize your ROI with a best-of-breed process. Our integration process and strategy is proven to be beneficial for a variety of time sensitive projects, from those requiring small critical installations to large multi-site global installations. Contact us today for a free consultation with our experts.



## Global Staff Augmentation Services

Infinite Networks delivers top-tier staff augmentation services for low-voltage cabling, wireless infrastructure, data center systems integration, and audiovisual installations across the United States and multiple regional markets. With deep industry knowledge and hands-on field experience, we connect organizations with highly skilled professionals who bring reliability, technical expertise, and practical problem-solving to every engagement.



Our approach focuses on seamless integration of talent into your existing teams—whether you need short-term project support or long-term staffing solutions. From certified data center technicians to specialized low-voltage cabling, wireless, electrical, and AV professionals, we provide the right resources to meet demand, maintain compliance with industry standards, and keep projects moving efficiently. Our personnel are experienced working in mission-critical environments where safety, quality, documentation, and uptime are essential. Supported by dedicated project managers and technical leadership, we can rapidly scale resources across multiple sites and regions while maintaining consistent execution. Partnering with Infinite Networks gives you nationwide access to qualified experts ready to strengthen your workforce, accelerate project delivery, and deliver measurable results.



## ***INFINITE NETWORKS. ENGINEERING THE INFRASTRUCTURE BEHIND INNOVATION.***

What began as a small technology services business founded by a teenage entrepreneur in 1999 has grown into a global provider of data center infrastructure, structured cabling, wireless networking, audiovisual systems, electrical services, and advanced digital infrastructure solutions. By 2004, Infinite Networks was already supporting complex technology deployments for organizations operating across multiple regions and countries. Our involvement in large-scale infrastructure projects has enabled us to develop a trusted network of resources and partners capable of supporting projects worldwide.

Over the years, we have refined our processes and invested heavily in training, certifications, tools, and technology to remain at the forefront of an evolving industry. Today, Infinite Networks is a respected systems integrator and value-added reseller with deep expertise across multiple technology disciplines. We have successfully delivered projects for hundreds of organizations, applying a proven approach that reduces risk, improves efficiency, and maximizes long-term return on investment. Our team's certifications and experience span data center infrastructure, structured cabling, wireless, audiovisual, electrical, and emerging AI/HPC technologies, allowing us to provide fully integrated solutions that support the connected workplace of today and tomorrow.



# ***INFINITE NETWORKS***



**457 E McGlincy Lane, Campbell, CA 95008**

**t: (408) 796-7735**

**e: [sales@infinitenetworksinc.com](mailto:sales@infinitenetworksinc.com)**

License # CA C-10 and C-7 #855310

AZ C-11 ROC 365386

NSCB C-2 #0088419

NM RLD EE-98 #425442

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