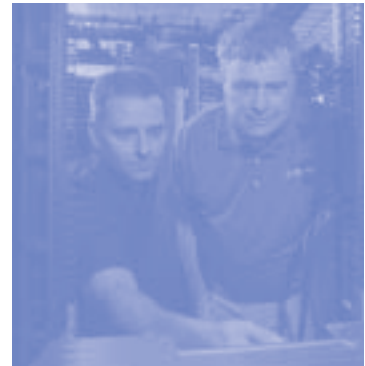# WERNER
ELECTRIC SUPPLY

NETWORK
SERVICES

NETWORK SERVICES

Connecting with you Since 1948.

Proper planning is crucial to ensure a highly performing network. The Werner Electric Network Services team will analyze the current state of your network, help design a migration plan, configure and troubleshoot your network system and implement security measures. Our thorough planning and guidance will result in a communications network with optimum performance and reliability.

Whether you need a new network or want to optimize or expand your current network, Werner Electric Supply's Network Services team can help you efficiently converge plant-floor and office network systems. Our team will help increase your system dependability, reduce your costs, increase uptime, and provide an enduring infrastructure.

CONTENTS:

Network Services Partners

Efficiency. Productivity. Security. These are just a few of the daily challenges you face in your industry. Werner Electric Supply and our vendor partners have a long history of helping customers like you overcome those challenges.
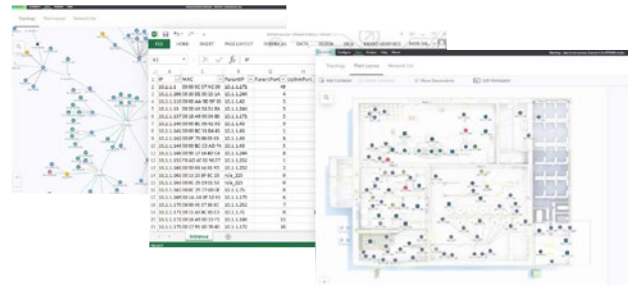
Network Audit

A Werner Electric network audit gathers information on your environment such as device configurations, logs and hardware. After we've gathered your data, we analyze this information and provide insights to existing security vulnerabilities, performance deficiencies, uptime or availability problems, and identify areas to improve controls.

A Network Audit provides:

- **In-Depth Analysis –** A comprehensive view of your network's existing state: configuration of servers, networks, storage solutions, and supporting hardware

- **Documentation –** In-depth report summary integrating graphical maps

- **Security –** Identification of vulnerabilities to prevent security incidents

- **Consultation –** Recommendations for best operational & security practices

Unparalleled Networking Expertise

With expertise in both industrial plant and enterprise networks, we can provide key insights into your network infrastructure. Audit consultations, operational tests, documentation and best practices recommendations will ensure your specifications are met and your network performance is optimal.

Network Design

Industrial Automation Control Systems (IACS) are increasingly becoming more connected within facilities, providing valuable insights which organizations can use to efficiently schedule production and improve quality, all while reducing costs. Our experts are certified in Cisco Industrial Networking with decades of extensive experience in both enterprise and industrial networks.

A Network Design provides:

- **Agile Network Design –** A custom-tailored design which increases in scale with the size of your organization as you add new capabilities, but also remains easily maintainable

- **Integration –** Seamless integration into your existing enterprise network for ease of operational control and data collection

- **Security –** Built in security assurance to minimize risk of security incidents

Our goal is to help you reduce network outages, improve network uptime, and reduce deployment time of new hardware installations by as much as 75%. Our designs go even further by implementing best security practices within configurations to keep your business safe.
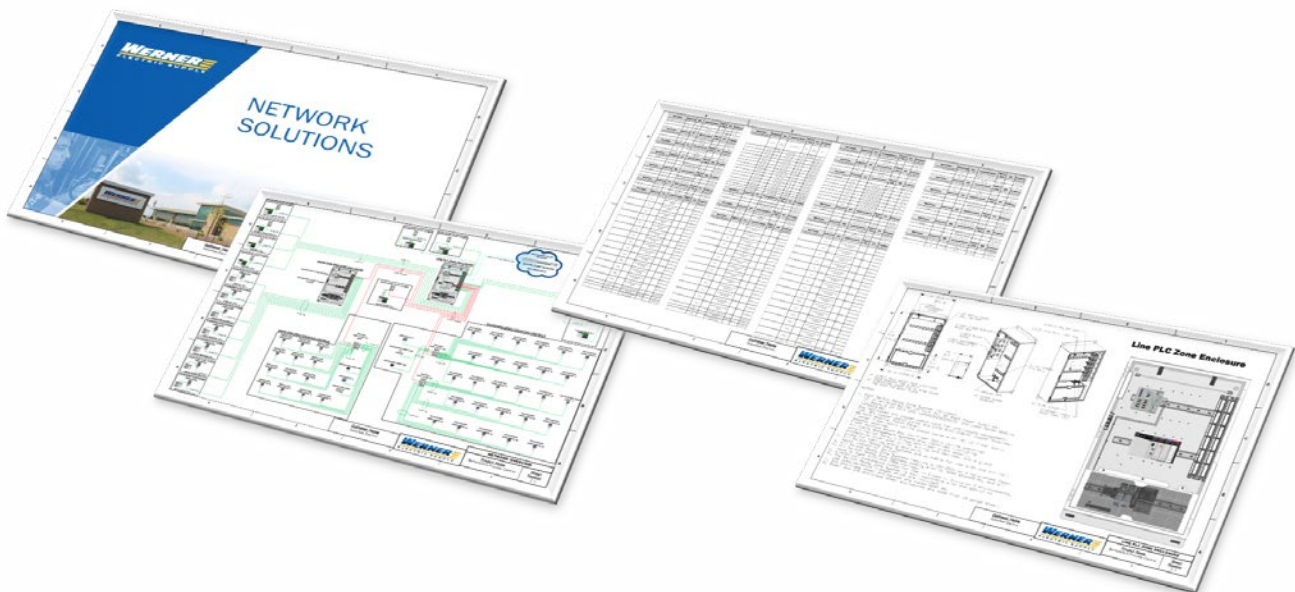
On-Site Network Services

By utilizing the most up-to-date network diagnostic tools, Werner Certified Network Technicians visualize critical network paths and analyze network traffic patterns to help accelerate the identification and root cause of network issues.

Commercial and Industrial Networking services include:

- Switch Configuration

- Network Troubleshooting

- Security Policy Implementation

- Firewall Configuration

- IP Phone Systems

- Server Maintenance & Support

Monitoring and Management

Monitoring your network and server equipment, whether for an enterprise or industrial infrastructure, will help you identify issues before they arise and allow you to make corrections to prevent serious downtime.

With security becoming a growing concern, identifying vulnerabilities and non-best security practices is a priority.

In today's changing landscape, it is not surprising to see a half dozen or more different toolsets managing multiple devices within an organization.

With our managed solutions, we can empower you with a secure, unified toolset with a simplified and intuitive console. Customizable views of your overall environment help manage:

- Network path visualization and performance monitoring
- Mobile device monitoring
- Virtual machine monitoring
- Remote access
- Patch management
- Prescriptive data analytics
- Data-breach risk intelligence
- Backup and recovery
- Managed antivirus
- Web protection
- Threat intelligence
- Log-event archiving

Our solutions provide capabilities to monitor your industrial hardware (PLC's, SLC's, etc.), and allow you to administer them from the same universal console. We also provide a built-in, comprehensive security solution while conducting vulnerability assessments, providing security software for your workstations and servers, implementing advanced log searching and allowing scheduled reporting.

Custom Cabinet Design & Build

Our Network Services team gathers your cabinetry requirements including environmental considerations, switch selection, port density, cable management, cooling, and backup power needs, then uses those requirements to lay out a custom cabinet design. Once approved, the cabinet is assembled in-house and shipped directly to you as one complete unit.

You'll receive an accurately designed network cabinet layout which utilizes industry standards and best practices to increase space-savings and can be modified for future expansion. Our custom build and design benefits include reducing your time and cost in planning, designing, and installing network cabinetry yourself.
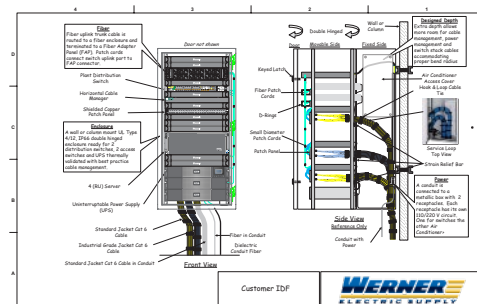
WiFi Planning

Wireless is everywhere. Deploying a wireless network with a poor design or no design at all can create multiple issues on your network. A predictive wireless design is critical for deploying a reliable, expandable and secure wireless network.

WiFi Planning can help you:

- Determine usage, coverage & capacity requirements and constraints

- Properly determine how many access points are needed, locations to deploy access points, and configuration of access points for optimization

- Simulate an RF coverage map (heat map) to view predicted RF wireless coverage from proposed access points

- Perform a pre-deployment on-site survey to verify accuracy of the predictive design and propagate it in your unique environment

WiFi Surveys

A physical survey is performed after a wireless network deployment or to check the health of an existing network. A follow up survey is critical in determining that the wireless network is performing to the desired level of standards, including after upgrades and improvements to your current network systems.

Wireless Surveys will provide information on:

- Access point location/coverage utilizing heat mapping

- Overlap of neighboring AP's to ensure optimal spacing/performance

- Current bandwidth for best support of incoming & outgoing traffic

- Detailed analysis of interference

- Allocation of SSID & VLAN per access point

- Security risks/vulnerabilities
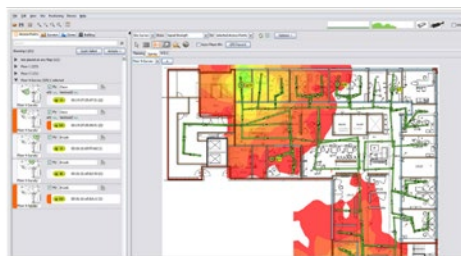
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Wireless System Support & Design

Werner Electric offers a complete suite of technical services for data radio point-to-point and point-to-multipoint systems. Whether you employ a cellular, licensed or un-licensed wireless infrastructure, we can help optimize your wireless network. Planning is key to implementing a successful wireless network installation.

Radio services including:

- Path Studies to determine radio path loss through path distances, RSSI readings, bandwidth requirements and repeater locations

- RF Site Surveys to verify predictive RSSI readings through visual inspection/testing of communication issues

- RF Radio Audits to test/document the network's radio, antenna & cable health

- Spectrum Analyzer Services to collect data to mitigate the impact of interference on your network

- FCC coordination of new licenses or modification of existing licenses

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Iron Mountain

Wausau

Stevens Point

Green Bay

Appleton ⭐

Fond du Lac

Sheboygan

Madison   Pewaukee

Janesville   Kenosha

⭐ Distribution Center
○ Branch Location

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