

Automation and Wireless SOLUTIONS



Werner Electric Wireless System Support and Design

Werner Electric Supply can provide analysis and design for your wireless needs, including overall system designs for telemetry, WI-FI & cellular communications.

Before choosing a new tower or access point location, it is imperative to do an interference survey to measure noise levels at potential access point locations – Werner Electric can help!

We also provide on-site spectrum analyzer services to troubleshoot and remediate problem networks.

- Generate a software-based analysis of landscape between RF links
- Provide proof of concept for wireless solutions
- Conduct RF site surveys to verify RSSI readings, visually inspect and test communications for potential issues
- Assist you in acquiring a new FCC license, or aid in modifying existing licenses
- Provide engineering support with certified training services and seminars
- Gain in-depth understanding of wireless principles and choosing a network architecture
- Perform site surveys
- Aid in evaluating, selecting, and installing antenna or outdoor wireless systems
- Minimize the effects of noise and interference
- Understand line-of-sight, near line-of-sight, and non-line-of-sight technologies
- Teach real-world WISP design and deployment tips and techniques

Wireless Interference Survey and Site Survey - Do it Right the First Time

Whether you employ GE/MDS wireless infrastructure or other wireless infrastructure, determining the correct quantity of wireless access points and their respective mounting locations are actually the simplest tasks accomplished during a wireless site survey. Werner Electric specializes in performing RF site surveys and goes well beyond the “typical” wireless site survey process.



MDS
industrial wireless networks

We employ unique equipment that measures for sources of existing electromagnetic interference (EMI) that may cause hidden problems for a wireless LAN. Our wireless site surveys take into account both voice (VoIP) and data communications over the intended wireless LAN. Transmission rates, throughput utilization, and wireless channel assignments are all key elements considered and documented during our wireless site survey.

Once a wireless site survey is complete, a written report is provided for your internal use and permanent record. Any wiring installer or maintenance technician can use this report as a guide during the installation process. As a value-added service, Werner Network Solutions Wireless offers turnkey wiring installation from one of our certified network contractor partners, providing wireless and wired network testing before the installation is complete.

Werner Electric Supply – The Differentiator with Spectrum Analyzer Services

Our on-site spectrum analyzer services can assist in troubleshooting and remediating problem networks. This is done by collecting data to interpret and rectify scenarios that will minimize the impact of interference on your network.



Certified Solutions Provider

The Werner Electric Supply Network Solutions team has certifications in engineering support for wireless networking, broadband, wideband, and narrowband communications, along with tower climbing, and safety and rescue certification. We are a GE-MDS radio authorized distributor and a single source communications device distributor for wireless, networking, electrical, commercial, industrial, and utility customers, and provide application engineering support.

We have provided many successful wireless solutions for a variety of customers and Werner Electric Supply's wireless team would be happy to share details of our successful solutions with you!

