WLAN Professional Services

Experienced, complete wireless integration and implementation

Peak Technologies is your single source for complete wireless system evaluation, integration and implementation.

As a certified Wireless Professional Services Provider, Peak is one of the nation's leading integrators of wireless solutions, with over 30 years of experience in Wireless and Mobile technology. With guaranteed workmanship and certified Wireless Engineers, Peak wireless design and integration capabilities are unparalleled in the industry. From project management to site surveys, security to integration, installation to training, Peak is the only company you need for a complete Wireless implementation.
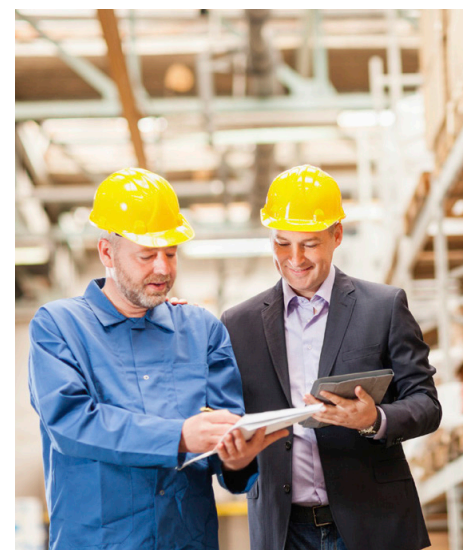
WLAN system evaluation

A Wireless System Evaluation is an in-depth look at all facets of the current wireless data collection system: Wireless Coverage, Interference, Configuration, Physical Structure, Terminal Configuration and interviews with users. Our tools consist of AirMagnet, Wireless Trace Adapters and Spectrum Analyzers. Often what we find is power set too high/low, rogue devices, channel congestion, configuration mistakes, firmware problems, devices in need of repair, just to mention a few.

Warehouse and manufacturing environments are not the primary focus of most of the wireless vendors and therefore our specific expertise in these areas lead to making the systems more suitable for these locations. Our vertical specific proprietary knowledge is what allows us to remedy many problems that even the manufacturers cannot.

During a Wireless System Evaluation, Peak will provide on-site analysis and diagnosis of your wireless system. Following the visit, Peak will present a report advising of the findings and the possible next steps for the customer to administer.

Benefits

- Maximizes wireless traffic utilization to ensure employee efficiency and uptime

- Mitigates risk by utilizing over 30 years of wireless experience in industrial settings

- Accelerates wireless issue resolution with subject matter expertise

WLAN site survey

A wireless local area network (WLAN) site survey is the design phase to ensure the system meets your needs today and for years into the future. The survey identifies the best locations for access point placement so the network can provide optimal wireless coverage and maximum performance within the desired area, whether inside the building or outside via a MESH network. During the survey, the Wireless Engineer will consider any environmental factors that can disrupt coverage, such as building construction materials, types of products contained within the building, racking systems, freezers, and other mobile devices already installed.

Prior to conducting a site survey, Peak Technical Resource Center staff works with you to verify pre-site survey readiness. One of our engineers will travel to your location and complete a detailed site survey to determine the placement and number of access points that are required and their optimal positioning to offer adequate RF propagation. If required, during the survey process, specifications are carefully developed for the required network layout and cabling.

Site survey reports

The Site Survey Report includes details of the survey process and results providing wireless network component descriptions, RF coverage maps, equipment list with part numbers & quantities, site detail pictures, guidelines, recommendations, network data cabling, power and grounding requirements, antenna theory, information on RF interference and wireless performance considerations.

A typical site survey report provides the following:

- Surveyor notes and findings

- Access point propagation summary

- Site diagram showing IDF, MDF, and cabling closet information

- Location of access points, antennas, and necessary accessories

- Bill of materials

- Pictures of mounting locations (if applicable)

- Site diagram with APs shown

- Spectrum analysis results and suggestions

- Cable plant design

- RF coverage warrantyNotify & Exchange

Peak will guarantee the accuracy of the survey for one year from the survey date. Changes made to the environment or facility after the survey is performed may alter the survey accuracy.

WLAN system installation

Peak provides complete system installation services including network hardware and access points. From our thorough pre-installation checklist to our comprehensive implementation planning processes, we ensure that the project goes smoothly long before the physical installation begins.

Cabling

We also offer a comprehensive network cabling infrastructure service for copper Ethernet, Fiber, Cat5, Cat5 PVC, Cat6 providing our customers with a turnkey low-risk implementation.

Project management

Project management is a critical component to a successful, timely and properly budgeted system implementation. Our Project Managers are actively engaged throughout the implementation cycle, proactively identifying, addressing and carefully documenting any issues.

Support and training

To ensure that your system and staff are online and up-to-speed quickly, a Peak engineer provides on-site Go-live support during your critical system start up. Any problems which may have eluded earlier controls are identified and resolved.

Peak also provides end-user, system administrator, maintenance and support training customized to your environment. We offer a variety of courses based on your specific needs, including one-on-one, on-the-job, and train-the-trainer courses.

Peak technical certifications

- Certified SAP Software Partner

- Cisco Select Partner

- Honeywell-Intermec Authorized Professional Services Provider

- Zebra-Motorola Certified Professional Services Provider

- Ruckus Authorized Partner

- Wavelink, SOTI and Airwatch Certified Partner

- System Engineers are Network Certified

Contact Us

Order online or contact us today!

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