

END TO END WIRELESS SOLUTIONS

Each commercial workspace comes with its own set of connectivity challenges, but they all share one essential requirement: a reliable and seamless wireless connection. Sirvis provides the full gamut of advanced wireless services to survey, design, install and verify the wireless solution that best fits your company's needs



ON-SITE SURVEY - A wireless technician visits your site and utilizes industry standard tools to measure and report on the existing WLAN performance. Based on the survey findings, Sirvis provides customized best practice recommendations to improve your WLAN performance.

Survey Type	Survey Details	Use Case Example
Passive Survey	Collects WiFi data and creates heatmaps showing signal strength levels (RSSI), co-channel interference, signal-to-noise ratio, etc...	Used in virtually all survey engagements to gain a base level understanding of WiFi activity and performance
Active Survey	Collects real-time performance statistics from a wireless network. Includes statistics for data throughput, round trip time (RTT), packet loss, access point roaming.	A new wireless implementation has been completed and real-time performance statistics must be verified.
Spectrum Analysis	Collects all radio frequency activity, allowing visibility into potential sources of interference unrelated to WiFi traffic (microwave ovens, weather radar, industrial machinery, etc...	WiFi coverage seems to be adequate but performance and connectivity issues are still present. Outside sources of interference must be investigated.

WIRELESS DESIGN - Certified wireless engineers collaborate with you to determine your organization’s needs and requirements. Sirvis recommends access points / antenna hardware, as well as placement and configuration of the access points.

Design Type	Design Details	Use Case Example
Predictive Assessment w/o on-site survey	Creates a simulation of expected wireless performance based on a facility’s existing floorplans.	Small branch office or facility requires design, but an on-site technician visit is not feasible. Floorplans exist but facility may not be planned for under construction.
Predictive Assessment w/ on-site survey	Creates a simulation of expected wireless performance based on existing floorplans, facility’s environmental considerations and measured wireless statistics captured on-site.	Large facility requires design with complex layouts or high user densities.
‘AP-on-a-stick’ Design	Physical access point hardware is used to create a design using real-world WiFi measurements within the facility	Large facility requires design with complex layouts or high user densities. Highly accurate design reporting is required

WIRELESS INSTALLATION & VERIFICATION - A certified project manager oversees the implementation and installation of all required wireless infrastructure, including access points, low voltage cabling and networking equipment.

Activity Type	Activity Details	Use Case Example
Access point implementation	Ensures each access point is installed in the optimal location and is configured to adequately support the devices that will be used in that location.	A warehouse requires a lower bandwidth configuration to support its scanning devices while office area would require higher speed connectivity.
Cabling and equipment Assessment	Inspects all cables and equipment to ensure highest quality standards. Verifies that the cables and equipment for each access point match the installation plan.	Large commercial spaces often require long distance cable runs using switches or wireless bridges.
Post installation Verification	Series of tests by professional engineers to interpret signal strength throughout the space and detect any problem areas. Detailed visual explanation of the new WiFi system provided.	In a large facility or multi- building complex, the verification process is vital to ensure the installed WLAN fully meets all the necessary specifications.

EXPERTISE & EXPERIENCE - Sirvis has the proven expertise to deliver the full lifecycle of wireless services – from simple office deployments to challenging production and healthcare facilities. For help with determining your wireless requirements, contact Sirvis – 877-4-SIRVIS.