DATRIX Professional Services

On-Site Wireless Site Survey

An on-site wireless survey from Datrix is the second key step to a successful wireless deployment and is typically used to determine the number and location of APs for new installations and/or to validate the same for a pre-existing wireless installation.

Unlike the predictive survey, a detailed wireless site survey requires that Datrix technicians visit each site requiring wireless access.

> **If you're looking to supplement an existing network with additional wireless connectivity, provide guest wireless access or adopt an all-wireless strategy; a detailed on-site survey is recommended before committing to any expenditure.**

Site Survey

When planning a wireless network, due consideration needs to be given to both the physical and operational environment. Detailed measurements of the RF attenuation of walls and fixed objects are taken and input to the site planning tool to create an accurate virtual model of the site.

If you're considering a high-density wireless installation, we will also require a detailed technical and operational profile, including:

- Number of connected devices
- Device type, manufacturer and model
- Device OS/firmware (especially for critical/ devices)
- Bandwidth requirements

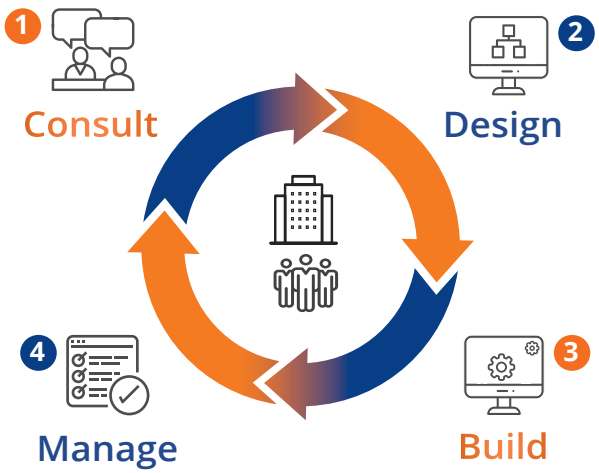
One of the key differences between an on-site survey and a desktop survey is the ability to identify sources of potential signal interference. Sources of interference are many, varied and sometimes unexpected. Everything from the HVAC to the microwave in the staff kitchen could impact on network performance.

An on-site survey is always recommended if your organisation is using high-bandwidth or latency-sensitive Wi-Fi applications. Continuous availability of critical business applications is essential, especially when users are roaming from access point to access point. Any drop-out of service could interrupt browser sessions, video feeds or collaboration.

Our highly experienced wireless survey engineers use best-in-class survey tools to:

- Reduce the time required to perform a site survey
- Minimise the impact of site surveys
- Assess RF spectrum analysis (at the time of the survey)
- Where necessary, calibrate the survey with the customer's critical devices
- Provide a report outlining the recommended wireless design and validate the bills of material

Poor wireless connectivity can have a negative impact on user experience, productivity and even staff morale. In larger premises, “dead spots” in the coverage can result in areas of the building being under-utilised. For offices that have embraced hot-desking, this could result in over-crowding in areas of good coverage and unused space where coverage is poor.



Datrix adopts a logical approach to professional services involving a Consult, Design, Build and Manage methodology. We have packaged a host of service propositions that can be tailored to meet each of our customers’ specific needs. This ensures that we engage in the right way at the right time, to deliver optimal outcomes.

Datrix is a leading **Smart Infrastructure** and **Cyber Security** Solutions provider.

Established for over 25 years, digital transformation is the driving force behind the evolution of Datrix services and solutions. Our professional and technical services teams adopt a consultative, client-centric approach that sees us design, build and manage superior solutions.

Our critical networking, communications and cyber security solutions are the preferred choice for the nation’s key institutions as well as public and private sector organisations seeking to address the business challenges of compliance, performance, availability and affordability.

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