



**Did you know Ryzex Professional Services team provides all these services?**

**RF Technical Services:** We can conduct an RF site survey and analyze signal propagation characteristics specific to your facility.

**Onsite Technical Services:** We'll help you go live with planning, monitoring and training for users on the new system.

**Device Staging:** We'll test your devices, load software and apply the correct settings so that your units are ready upon arrival.

**Consulting Services:** Take advantage of our expertise with ADC consulting, project management, training and troubleshooting.

**Advanced Services:** Remote device management, enhanced staging services and more.

It is important to consider the following before a RF site survey. All of these can affect the quality, speed, and coverage of your wireless network.

- What are the walls and ceilings constructed of?
- How high is the racking?
- What type of product is on the racks?
- What equipment in the area can be a source of RF interference?
- What will be the expected data rate on the RF network?
- What types of antennas should I use? Flat panel, Yagi, bi-directional, omni-directional (dipole or flat).
- What gain should I use?
- What is the best way to run power and data cabling to radio locations?
- How many users will be connecting to the RF network?
- How much overlap in coverage from one radio to another do I need?
- Should I use antenna diversity?
- What is the risk in not performing a site survey?

The RF Project

When starting a RF project it is easy to be influenced by the new technology and products that the market has to offer, however it is essential to take a step away from the technical side and look at your RF project like any other project. Your RF project is not dissimilar to any other capital projects so proper planning and project management is essential. All the new hardware, technology and possibilities that a RF system can bring into your company are very exciting, but it all comes at a cost. Here are some questions that should be considered in the beginning of your new project:

- What is the problem you are trying to solve with RF? What process do you want to automate with RF?
- What do you expect the return on investment to be? How much time and labor costs will you save with a new automated process?
- Do you expect the return on investment to exceed the cost of you RF project?
- What are your goals and objectives?



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## > Things to consider before a RF project

- Is the process you want to automate with RF already highly efficient?

Answering these questions will define the true problem and therefore help in choosing the right hardware and RF system that will be most beneficial to your company.

Ryzex conducts a thorough, on-site analysis that gives you a customized guide for the quantity and location of access points, selection of antenna types, and the detection and measurement of RF interference – all consistent with the specific demands of your location, including construction materials, inventory types and more.

Contact Ryzex to schedule your site survey. Call 800.729.6867 or e-mail [proservices@ryzex.com](mailto:proservices@ryzex.com)

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