



Providing a targeted approach to strategic technology solutions

RFID & RTLS Discovery & Design Process

Implementing an RFID or RTLS solution is not a 'one-size-fits-all' quick fix. A consultative workflow analysis including an onsite discovery and tailored system design plan is key to delivering a faster return on your technology investment.

Before making an investment in equipment or software it's important to evaluate the goals, pain points, and environmental layout involved in every project. RMS Omega's RFID and RTLS solutions team will conduct a full analysis of your current operations and processes. During this exercise, our team will identify existing infrastructure and technology in place before presenting calculated recommendations and best practices for an optimized, effective strategy.

The result: an RFID/RTLS solution created specifically for your needs with a powerful return on investment.

Consultative Overview

Benefits of a Consultative Discovery Plan

Our discovery process starts with an in-depth assessment where one of our RFID/RTLS specialists will analyze and uncover your operation's unique requirements, develop an understanding of strategic goals, and align an appropriate plan to accomplish each goal. An on-site discovery visit will allow our team to analyze existing operational environments and produce a thorough set of recommendations along with calculated ROI metrics aligned with your business objectives. Undergoing consultative services and an on-site discovery provides the following benefits:

- An assessment of the current operating environment and benchmarks against industry best practices.
- Analysis and prioritization of business needs to create a comprehensive solution that will yield greater returns.
- Customized system design that fits your environment along with ROI evaluation.
- Training recommendations during the project implementation and a support plan before, during, and after the project.
- Visualization of how the suggested process improvements will help your business increase productivity while planning for future goals.

Designing a Solution with RMS Omega

RMS Omega's solutions team has years of experience in designing and implementing RFID/RTLS systems. We take a consultative approach when it comes to solution design and our goal is to work with you as an extension of your team. We're here to identify the right components and initiatives for a successful project every time.

The process begins with an initial call to review current business workflows and the scope of your intended RFID/RTLS needs. Our specialist needs to identify all existing hardware, software and backend platforms, as well as a rough layout and understanding of the facility.

In addition to learning about your work environment and operating systems, we need to identify specific goals and objectives. Are you looking to track inventory faster? Or, do you need to track assets more accurately? We will need to understand strategic objectives, challenges and pain points before designing a strategic solution.

After an initial call with an RFID/RTLS specialist, a follow-up meeting is scheduled to present our findings and review suggestions. We will explore the more technical details of your project where your specialist will then organize a rough quote for the project.

Next, our team will need to evaluate the project recommendations in a live setting to develop an accurate plan of action and test our findings. To do so, we will schedule a time for the RMS solutions team to come to your facility for an on-site discovery visit.

On-Site Discovery

RMS Omega provides a wide range of RFID and RTLS services to customers, but one of the most essential services for a successful project is an on-site discovery or site survey.

On-Site Discovery with RMS Omega

During the on-site discovery, our service engineers will walk through your current processes to make sure the RFID or RTLS solution will work in your environment and map out exactly how to implement it. This includes scouting for environmental factors that would affect RFID/RTLS signaling range, including metal, liquids, high carbon content, and magnetic fields all of which can interfere with radio frequency waves. While on-site, the engineer will often test different tags and readers to identify the most effective options for your application.

Along with identifying the appropriate tags and tools, engineers will map out the ideal placement for hardware such as antennas, wireless infrastructure and readers for optimal coverage and accurate readability. After a survey is completed a formal report is provided, including:

- Facility information
- Summary and scope of the project
- A report of the on-site visit
- Description of business processes
- Proposed RFID/RTLS solution
- Recommended hardware, software, and tags
- Flow diagram
- Installation locations for readers



Our Complete Process

Discovery & Design

Our trained RFID/RTLS engineers will evaluate your work environment to determine the best plan of action for strategic technology implementation to solve challenges and achieve both short and long term goals.

Project Management

RMS Omega has an internal team of solutions experts to oversee the successful design and implementation of complex RFID/RTLS projects. We will monitor the project from the start and make sure everything is completed within an established timeline.

Statement of Work

The statement of work is a document that will map out our plan for implementation. This includes both hardware and software along with a description of processes after the system is complete. You will also receive a timeline for each phase of the project.

Deployment

During deployment, we collaborate with your team to bring the proposed plan to fruition. Deploying each strategy includes network design and implementation, staging and configuration of hardware, data integration, and staff training. Each of these necessary steps will ensure your team can hit the ground running once your RFID/RTLS system is live.

Analysis & Optimization

An Analysis and Optimization, or A&O, is a process designed to optimize and enhance the performance of wireless coverage or RFID/RTLS system functionality throughout your facility. An A&O is performed to identify and correct poor signals or reads along with incorrectly installed or underperforming hardware.

Support

We are here to be an extension of your team, one point of contact for all of your RFID/RTLS technology and solution needs. To assist your organization in reaching new levels of productivity, you need a true partner, not just a vendor. That's why we believe our support services are essential.