

RFID Solutions

Environmental Services

Information Management

RFID Solutions

EM-Assist provides efficient, low-cost, integrated solutions to address your Radio Frequency Identification (RFID) needs by expertly matching state-of-the-art technologies with your specific requirements.

Why RFID?

Simple barcoding systems cannot provide the inventory insight and depth of data required in today's world. Critical to the successful management of today's sophisticated supply chain, RFID systems provide automatic, detailed tracking of large quantities and additional capabilities, such as serialization, which provide the ability to track total count or ongoing quantity with increased speed, simplicity, and accuracy.

Why now?

RFID is more cost effective than ever and has matured into a reliable and readily available technology with global standards, eliminating data transfer and incompatibility issues. Furthermore, increased RFID usage has resulted in broad commercial availability of off-the-shelf components, translating into affordability and a quick return on your investment. The U.S. Department of Defense and private sector supply chain managers such as Walmart and Target are mandating the use of RFID technology on most goods coming into select receiving sites and will continue to increase RFID use.

Why EM-Assist?

Our approach ensures a solution that will fit your specific needs. We will:

- › Conduct a needs assessment to determine the best RFID technology for your specific requirements.
- › Design, install, and implement the RFID system utilizing off-the-shelf components to minimize costs.
- › Use our state-of-the-art test lab to verify your RFID design prior to delivery.
- › Perform on-site testing to guarantee your system is fully functional from the start.

Our integrated solutions are designed to increase efficiencies and tracking accuracies while providing a quick return-on-investment.

EM-Assist Case Study: RFID and Environmental Asset Tracking

EM-Assist designed, deployed, and implemented an RFID system, while integrating complementary Geographic Information Systems (GIS) and Global Positioning System (GPS) technologies, for the hazardous waste management process at Hill Air Force Base. The system streamlined the handling and tracking of waste containers, minimized the potential for errors in transportation and storage, and reduced overall costs. Furthermore, managers can now track containers to maintain real-time, observable compliance with federal, state, and Department of Defense environmental regulations regarding inventory control and waste segregation between storage sites.

RFID: Powerful Technology

Radio Frequency Identification represents the next generation of asset tracking technology. In an RFID system, each item receives a unique identification number programmed into a tag which is attached to (or included within) the item. Specialized antennas then detect each tag regardless of its orientation, visibility, or location. Upon detection (at a warehouse door, for instance), the inventory database is automatically updated based on predetermined criteria tailored to your specific requirements. Certain tags can store additional information, such as service history, shipping, or transfer data. RFID also enables real-time tracking on a local or global scale for high-value or high-risk assets and can be used for a variety of security applications.