

# Mobile Data Collection Essential as Warehouse Management Systems Rise

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Modern data collection solutions are critical for organizations hoping to leverage advanced warehouse management systems. Implementing a large-scale warehouse automation and management platform can be an attractive idea. However, contemporary technologies are heavily reliant on strong data architectures. Businesses that want to innovate need mobile data collection tools in order to gather information and share it across the organization.

## The Expanding Warehouse Management System Market

Cloud technologies are making warehouse management solutions more accessible than they have been in the past by allowing organizations that have long been unable to afford or support the technology to leverage sophisticated platforms. This is combining with overarching industry trends – with particular emphasis on usability and improving real-time inventory management in the supply chain – to drive industry growth, a Transparency Market Research study found.

[Check out our "Mobile Data Collection Software Buyer's Guide" to learn more about how better data collection can foster innovation.](#)

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According to the news source, the global market for warehouse management systems will expand at a compound annual growth rate of 14.1 percent from 2017 through 2025.

The expectation of rapid growth is also apparent in the study, "Warehouse Management Systems Market and Services - Global Industry Analysis, Size, Share, Growth, Trends and Forecast 2017 – 2025." This report identified a few key factors fueling the rapid adoption of warehouse management systems, including:

- Increased demand for e-commerce among consumers, leading to new requirements in the distribution and fulfillment sector.
- Heightened adoption of solutions in developing regions.
- Accelerated migration to highly specialized warehouse management software in niche sectors, such as health care, in developed markets.
- Expanded use of radio frequency identification systems and, as a result, demand for warehouse management technologies that allow for RFID integration.

These growth factors all point to the need for systemic innovation in warehouses. Organizations need digital warehouse management solutions to provide a big-picture view into operations. On top of that, they often require specialized technologies to support everyday processes and workflows. Mobile data collection solutions can be critical under such circumstances.

## **Using Mobile Data Collection as an Innovation Catalyst**

Organizations that want to leverage warehouse management systems to their full potential must be able to feed their software accurate, real-time data from across operations. If you have users taking cycle counts or updating picking records on paper and logging information into computers later, you are undermining the potential value of your warehouse management platform. Similarly, if you have connectivity gaps in the warehouse – such as remote facilities that operate on a separate network, you lose the complete data transparency you need.

RFgen has developed mobile data collection solutions that counter these problems while promoting safety, efficiency and value creation. This is accomplished in a few key ways:

- Our remote management tools allow users to capture data with mobile barcode scanners and transmit it to the warehouse management system when the connection is inactive. When the network goes down, data is stored locally and automatically synchs when connectivity is restored.
- Our voice picking technologies enable organizations allow for hands-free data entry to improve accuracy and efficiency while also promoting safety.
- RFgen's Mobile Unity Platform™ allows for full integration with enterprise resource planning solutions, allowing for automated data sharing throughout the business and, as a result, simplified regulatory reporting.

In practice, our mobile data collection solutions let organizations close up any areas where they lack transparency into the supply chain and take full advantage of what warehouse management systems have to offer. Furthermore, they offer ease of use and intuitive interfaces that make it much easier to roll out new technologies without overwhelming users with a high learning curve.

Implementing warehouse management solutions in isolation may not be enough to transform your business, but supporting the technology with robust data collection and integration systems lets organizations transform their everyday processes. Technology isn't a cure-all, but when the right solution is accompanied by operational changes, companies can position themselves for success.