

Electronics manufacturer gains efficiency, accuracy with mobile WMS

Business Results

- Higher inventory accuracy.
- Real-time updates to inventory pick status and order allocation.
- Label printing on the spot.
- Significant cost savings due to efficiencies in picking and inventory management.



The Challenge – Operate warehouses at peak efficiency and competitiveness

A Singapore-based Fortune 500 manufacturer of OEM electronics equipment needed a warehouse management system (WMS) that allowed staff in their warehouse operations to move parts for customer orders efficiently and accurately through their facilities.

Prior to implementing the Epic Data solution, staff went to fixed-location PCs to get picking instructions and enter data about parts movement into their ERP system. It was time-consuming to have to return to the PC, so sometimes the data input was delayed. Further, the ERP system did not provision for the return of unused components, so the inventory levels in stores were frequently inaccurate.

The Solution – Epic Data mobile data collection system for real-time warehouse management

The electronics manufacturer implemented an Epic Data warehouse management system that displays the ERP screens on mobile data collection terminals connected on wireless RF networks within a dozen warehouse facilities. Staff now use the mobile terminals, which are equipped with barcode readers, to view pick instructions and scan picked items as they go. As parts are delivered to the production line, they again scan the delivery location and production order to confirm delivery.

Further, Epic Data's system allows warehousing staff to print labels directly from their RF terminals to printers of their choice, which assists with their picking and put away operations.

In addition, Epic Data's system offers more flexibility as a warehouse management front-end to their ERP system, enabling them to perform functions not previously possible, such as returning unused components to stores and update inventory accordingly.

Epic Data's shop floor mobile data collection system is clear and simple to operate, and has streamlined their picking and putaway operations. Staff is significantly more efficient, and inventory is updated in real-time for higher accuracy and visibility.

The manufacturer benefits from Epic Data's mobile data collection system in the following ways:

- **Efficiency in picking and putaway:** The mobile terminals allow warehouse staff to receive pick tickets, scan items and production orders, print labels, and update inventory in real-time saving time and handling.
- **Real-time inventory updates:** The ERP system receives updates immediately through the wireless RF link.
- **Higher inventory accuracy:** Fewer errors and delays, barcode scanning and support for returns and other system flexibilities result in better inventory accuracy.
- **Flexibility in transaction types:** Supports picking for sales and production orders, stock checking, transfers and stores putaway.

ABOUT EPIC DATA

Epic Data is a trusted provider of Manufacturing Operations and Warehouse Management Solutions to the world's most progressive discrete manufacturers. We focus on knowing what is important to our customers and delivering solutions that last, resulting in relationships that have spanned over three decades.

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