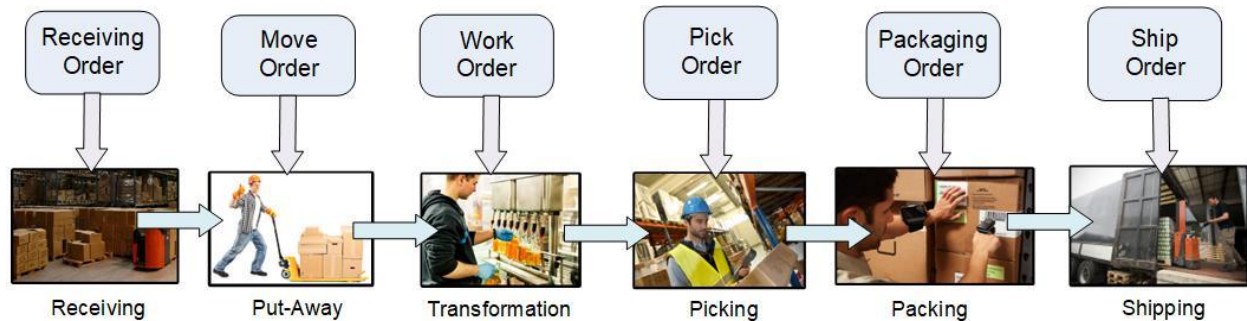


BellHawk Software Overview



Introduction

The purpose of the BellHawk software is to solve those tough inventory and work-in-process tracking problems that cannot be readily solved using conventional inventory tracking systems, including ERP and warehouse management systems. Such systems use item locator methods, in which they simply track the quantity of each item number at each location, in each warehouse or other industrial location.

BellHawk, by contrast, tracks the flow of containers through of material through manufacturing plants, warehouses, and other industrial organizations by putting a unique tracking barcode and/or RFID tag on each container and then scanning these tags whenever materials are received, put-away, transformed into products, packed, packed and shipped.



This is similar in principle to how FedEx, UPS, and Amazon track containers of material in their supply chain.

Tracking containers of material may or may not be more complicated than simply recording the quantity of materials in stock at each location. It does, however, enable the BellHawk software platform to be used to solve some difficult inventory tracking problems, described here, which cannot be solved using item locator methods.

Examples of Difficult Problems that can be Solved using BellHawk

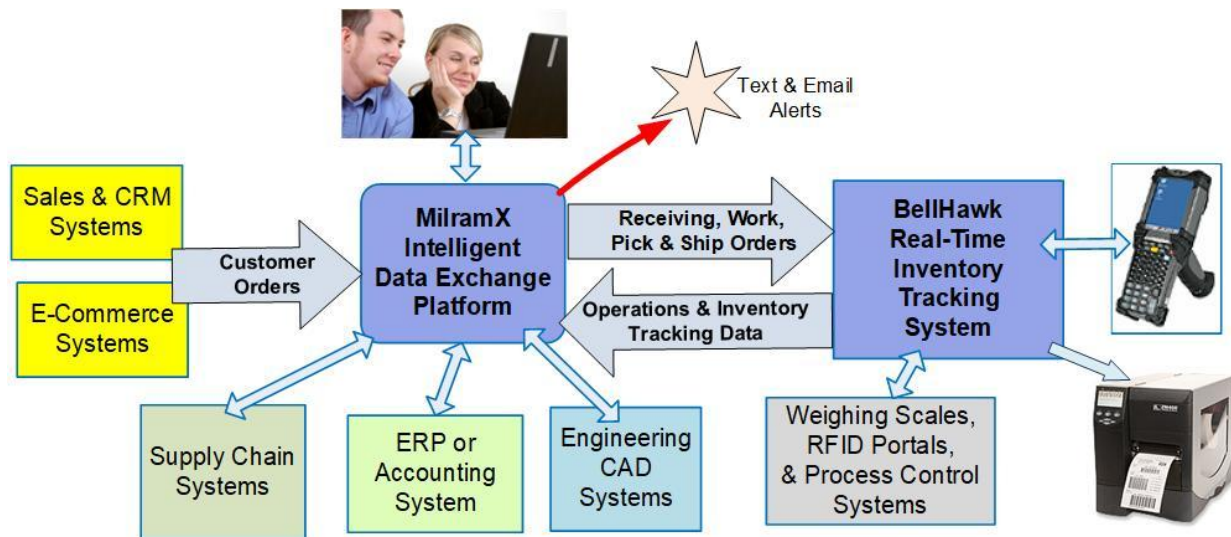


BellHawk can be used to solve a number of inventory tracking problems, which cannot be solved using item locator methods, such as are used by conventional inventory tracking, warehouse management, and ERP systems.

These include:

1. Tracking containers of material, with a common part number but different parameters, such as:
 - Different lot and serial numbers, and expiration dates - typically occurs in FDA regulated supply chains such as for food, pharmaceuticals, medical supplies, and cosmetics.
 - Individual rolls, reels, rolls, sheets, tubes, and lengths of bar stock, each with their own dimensions - typically occurs in make-to-order (MTO) "roll" converting operations, such as coating, printing and textiles.
 - Different parts purchased for different projects and/or owned by different customers - typically occurs in Engineer-to-Order (ETO) projects as well as MTO projects.
 - Hardness, pressure rating, pH, sweetness, and many other application specific parameters.
2. Capturing materials tracking and traceability data, as to which specific raw materials, by container, went to which containers of which products and who they were shipped to - required of many participants in FDA regulated supply chains. This includes generating EPCIS files for sending materials traceability data to supply chain trading partners.
3. Tracking and scheduling containers of work-in-process materials, as they flow from work-center to work center - primarily used by MTO manufacturers to help ensure that customer orders get shipped on time.
4. Tracking the Quality Control (QC) status of containers of material - to help ensure that materials are not used or shipped before they have passed inspection and that failed materials are appropriately quarantined.
5. Tracking the picking, packing and shipping of mixed materials pallets and other shipping containers - used to help make sure that the right items are shipped to each customer and are loaded onto the right truck; also used to send advanced shipment notices (ASN) data and generate bills of lading.

Integration



BellHawk can be used stand-alone or automatically exchange data with a wide-variety of ERP systems, as well as systems belonging to supply chain trading partners using the MilramX intelligent data exchange platform.

BellHawk can also import data, such as Bills of Materials (BOMs) from engineering computer aided design (CAD) systems and use these to aid in tracking the flow of materials through an ETO manufacturing process.

MilramX can also exchange data with a variety of E-Commerce and CRM platforms to facilitate the automated conversion of customer orders into orders to be tracked in BellHawk.

Commentary

For many applications, Item Locator inventory tracking systems are simpler to implement and use. But, if you find yourself struggling with paper forms and Excel spreadsheets to manually work around the shortcomings in your ERP, job or inventory tracking, or warehouse management system then it may be an indication that you should be doing what FedEx, UPS, and Amazon do and put a unique tracking barcode on each container of materials to be tracked.

In such as case then you might want to consider using the BellHawk software, to track the flow of containers of material through your industrial enterprise. BellHawk is an affordable solution to many of these more-difficult inventory tracking problems, which has been proven in a wide-range of practical applications.

For More Information

Please see www.BellHawk.com or send an Email to Marketing-Support@Milramco.com, to be referred to an appropriate partner that can assist with the software sales and implementation.