



BellHawk Systems' Products and Services



BellHawk Systems provides systems for tracking Work-in-Process and Materials in manufacturing, engineering, construction, repair and other industrial organizations. These systems consist of the BellHawk software plus supporting services provided by BellHawk Systems' staff as well as barcode and mobile computer equipment provided by BellHawk Systems' partners.

BellHawk is available on a SaaS (Software as a Service) subscription basis over the Internet on a Windows Server managed by BellHawk Systems at a secure data center in the USA. Licenses to use the BellHawk software are available for outright purchase or on a subscription basis for installation on a client's own Windows Server.

The BellHawk software is available in three base systems:

1. **WIPS** - a simple-to-use and low-cost work-in-progress tracking system. This system tracks when work starts and stops on work order operations plus the labor expended on each operation. It also performs real-time work-center scheduling.
2. **BITS** - a simple-to-use and low-cost barcode inventory tracking system that uses license-plate container tracking methods. This system can be used to track raw, intermediate, and finished goods materials in warehouses and stock rooms. It can also be used to track assets such as tools, jigs, and fixtures. In addition BITS can be used to track work-in-process on serialized items as they go through a series of manufacturing, repair and test operations.
3. **JMTS** - a combined job and materials tracking system. Integrates the capabilities of WIPS and BITS plus tracks the materials consumed and produced on each work order operation. In addition clients can specify BOMs for each work order operation that can be used by BellHawk to warn users if they are about to use the wrong materials. JMTS collects materials traceability history plus the quantity and cost of materials, labor, and (optionally) machine time on each operation to make, assemble, repair or test a product.

A warehouse management systems (WMS) upgrade to BITS and JMTS is available that adds the ability to enter or import Purchase Orders and Shipment Orders and to record receiving and shipping operations against these. This option also includes a picking function that helps ensure accurate picking of kits and orders.

BellHawk works without the need to use barcode label printers. Instead barcoded work order travelers and picking sheets can be printed on office printers. Also pre-printed rolls of sequentially numbered barcode labels can be used for doing license-plate tracking of materials.

When barcode labels are required to be printed, with custom barcodes and human readable text then BellHawk provides support for both print-on-demand and pre-printed labels in the form of its TAG option. TAG works in conjunction with BarTender Automation to enable clients to create their own label formats and to print labels on demand on a wide variety of barcode label printers including color inkjet printers.

In addition, BellHawk has a number of options for performing specialized data collection and reporting tasks. These range from tracking the time taken to setup and run machines to predicting available inventory at future times. Please see separate data sheet on BellHawk options for the complete list of options.

The BellHawk software works "out-of-the-box" and can be configured for a wide-range of applications by importing rules in the form of Excel spreadsheets. If needed, BellHawk System's staff can also customize the software to meet specific client requirements.

The BellHawk software uses an open architecture. Data can be captured on a wide variety of devices using BellHawk's web browser interface and barcode labels can be printed on a wide variety of barcode label printers.

Data is captured in a SQL Server database, which is used by BellHawk to generate standard reports and Excel exports for subsequent analysis. Users can also directly access this database to generate custom reports using reporting tools such as SSRS and Access.

The BellHawk software comes with a number of standard interfaces to enable the rapid development of interfaces to a wide variety of other systems, including ERP and accounting systems, CAD, shipping, and process control systems. These interfaces include the Bell-Connector rules-based data exchange framework which enables the rapid implementation of data exchange interfaces with ERP and accounting systems.

BellHawk Systems provides the following services:

1. Expert assistance in choosing the correct methods, software, equipment and supplies to solve specific operations tracking problems.
2. Training and support services for our clients in using the BellHawk software.
3. Software customization services, including special data collection transactions as well as custom reports and web-portals.
4. Systems implementation services to assist clients to setup the BellHawk knowledge-base.
5. Working with clients to assist them with implementing real-time data exchange interfaces using the Bell-Connector platform or other BellHawk interfaces.

BellHawk Systems partners with equipment manufacturers such as Zebra, Honeywell, and Unitech and their resellers, through its Procurement Assistance Program, to provide the

necessary barcode scanning and printing, mobile computing, and other specialty equipment needed for turnkey systems implementation.

BellHawk has a number of preferred vendors that can provide custom barcode labels and RFID tags for warehouses, totes, carts and other such applications. This is to enable BellHawk Systems, with the assistance of its partners, to provide complete turnkey solutions, where required by its clients.

For more information or assistance with your work-in-process and materials tracking problem, please contact Sales@BellHawk.com or call (508)-865-8070 and press "1".