

BellHawk Online Overview



BellHawk Online is an affordable real-time operations tracking and management system which uses barcode and mobile computer technology. BellHawk Online is available on a SaaS (Software as a Service) basis in the Cloud. BellHawk Online is also available on a rental basis for installation in a client's private cloud or on their own Windows Server computer.

The BellHawk Real-Time Operations Tracking System (RT-OPS) is a comprehensive real-time operations tracking and management system that is especially suitable for small to mid-sized industrial organizations.

RT-OPS is used by manufacturers, food and pharmaceutical processors, engineering, defense, test, and repair organizations, as well as construction and other industrial organizations.

RT-OPS tracks the receipt and put-away of raw materials, their transformation through a sequence of production operations into intermediate and then finished products, and then their packing and shipping, in real-time.

In addition, RT-OPS integrates extensive "License-Plate " materials tracking capabilities, making it suitable for tracking raw, intermediate, work-in-process, and finished goods at multiple geographic locations. RT-OPS can also be used to track tools and other assets, as well as materials in vehicles.

For those organizations needing less capability at a lower price, two subsets are available:

1. Simple Production Tracking System (SPTS) which tracks work order status for each operation and the labor consumed.

2. License Plate Materials Tracking System (LP-MTS) which provides comprehensive materials tracking capabilities without the need to create or track work orders.

In addition there are 14 optional modules and 4 IIOT appliances which can be used to extend the capabilities of RT-OPS for specialized applications such as printing barcode labels, performing warehouse management or meeting FDA regulations for food and pharmaceutical supply chain tracking applications. Please see the separate data sheets for these modules and appliances.

BellHawk Online provides a set of low-cost and easy-to-use operations tracking solutions which are ideal for small and mid-sized industrial organizations that do not have their own in-house IT department. BellHawk Online enables these organizations to use the BellHawk software at a secure data center without needing to invest in their own servers or the people to maintain these systems. BellHawk Online is also ideal for departments within larger organizations that need a point-solution that is quick and easy to implement without involving the corporate IT department.

BellHawk Online runs at a secure data center in the USA and can be accessed over the Internet using any device that supports a web-browser. Each client company gets their own private website through which to access their data and their own private database in which to store their data. All data communication with BellHawk Online is encrypted for security.

Data collection can be performed in real-time from anywhere there is an Internet connection on a variety of devices including:

- Windows PCs equipped with corded or cordless barcode scanners that plug into the USB port on each PC.
- Android tablets and iPads equipped with cordless Bluetooth barcode scanners.
- Android based mobile computers with integral barcode scanners.

Operations status can be viewed anywhere, at any time, using any device that supports a web-browser, including Android smart phones and iPhones.

Clients do not need to purchase or use a barcode label printer with BellHawk Online. All materials tracking can be performed using pre-printed rolls of "license-plate" tracking barcodes, such as that shown here, which are available at affordable prices from our partners. Also barcoded travelers, receiving and picking sheets can be printed on office laser printers.



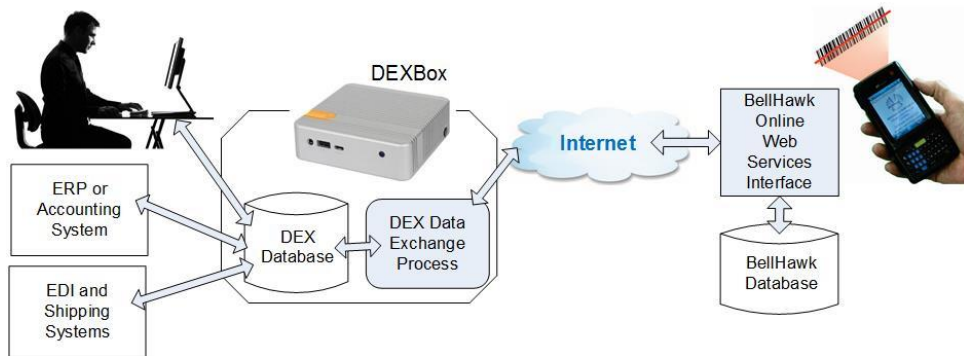
If printing of custom barcode labels for attachment to products, boxes, and pallets is required then the BellHawk IIOT Barcode Label Printing Appliance (BLPA) can be used to enable rules-based printing on a wide range of different barcode label printers, based on data in the BellHawk database.

BellHawk Online is available on a quarterly or annual pre-paid subscription basis for a few hundred dollars a month. It is an integrated system but is modular so that clients can start by subscribing to just the tracking functions they need. Then clients can then add functionality, as they need it, by adding modules and additional user licenses.

BellHawk Online comes with a complete set of screens, reports, and Excel exports through which users can selectively view and report on the real-time status of their operations.

BellHawk Online can be used stand-alone or data can be exchanged with other systems using Excel file imports and exports. BellHawk Online also has a remotely accessible web-services interface through which external systems can exchange data with BellHawk Online.

The BellHawk IIOT DEXBox appliance provides a simple database-table interface for exchanging data between on-site systems and BellHawk Online. DEXBox also provides the local data needed for clients to be able to generate their own custom reports.



BellHawk IIOT appliances are also available, by special order, for interfacing to weighing scales and to RFID readers.

The BellHawk Online service includes the use of mirrored hard drives, nightly backups to the “Cloud” of each client’s data, and restoration from this backup in the event of a system crash. It also includes secure data-center support services such as backup diesel generator power and redundant Internet connectivity to ensure a high up-time. Secure encrypted communication with the BellHawk Online server is available.

BellHawk Online can be configured by users for their specific applications by using Excel imports. This includes being able to specify custom data collection fields. Where needed, each client's version of BellHawk Online can be customized to meet their specific requirements.

For more information: Please contact Sales@BellHawkOnline.com or call (774) 708-9607

For more details please see www.BellHawkOnline.com.