



Tracking Wire and Cable Manufacturing Using BellHawk

BellHawk is a software platform for capturing, integrating, and processing inventory and work-in-process tracking data. Some of the functions that it has been used for in wire and cable manufacturing plants include:

1. Tracking the receipt, quality assurance inspection, and put away of raw materials including reels and rods of copper, plastic coating materials, and reels of braid.
2. Tracking the drawing of copper wires, their twisting, enameling, and coating with colored plastic. This includes tracking the lot number and manufacturers of all the materials used for each reel of wire as well as who worked on it and what machines they used.
3. Tracking the twisting, braiding, jacketing, and armoring of single and multi-core cables. This includes tracking the all the materials used in the manufacture of each reel of finished cable as well as who worked on it and what machines they used.
4. Tracking the shipment of finished reels of cable, as well as lengths cut from spools of finished cable, to customers.
5. Tracking scrap and rework, including recycled scrap and non-conforming materials to be returned to suppliers. This includes capturing reason codes for statistical analysis.
6. Tracking the unit cost of each reel of intermediate and finished wire and cable including the cost of materials, labor and equipment.
7. Tracking the status of raw, intermediate and finished goods, as well as the status of production jobs, work-in-process, and customer orders, in real-time.
8. Tracking the quality assurance testing of intermediate and finished cables.



BellHawk tracks materials in multiple units of measure, enabling the lengths on reels of wire or cable to be measured by weighing the reels. BellHawk can also track consumption of copper by the pound or Kg and the production of wire and cable by the foot or meter.

BellHawk combines the functionality of an integrated warehouse management system plus a manufacturing execution system with a special emphasis on real-time inventory and work-in-process tracking. BellHawk is especially focused on performing materials tracking and traceability that meets the requirements of standards such as those from ISO, the aerospace and automotive industries.

BellHawk meets the requirement for software to track the manufacture of wire and cable destined to be used in medical and Department of Defense applications. It can also be used to track hazardous chemicals and environmentally sensitive waste.