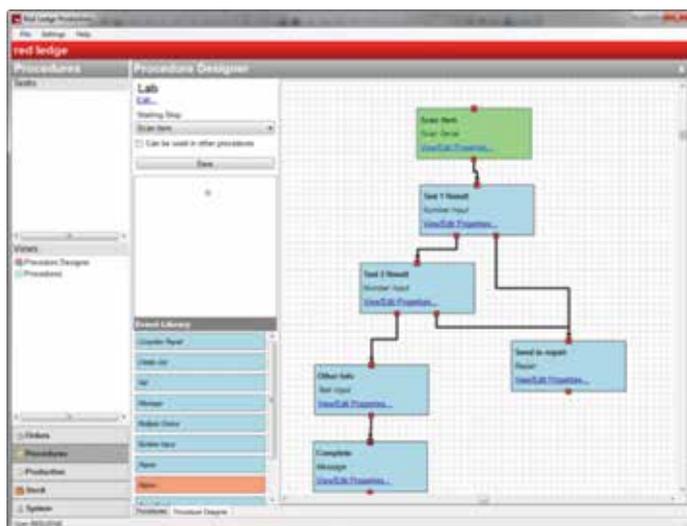**REDLEDGE**
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Manufacturing and Production System (MAPS)

Manufacturing and Production System

Red Ledge MAPS uses end-to-end RFID and barcode data capture to ensure manufacturing and production is accurate, fast and efficient.

MAPS is a fast-build manufacturing and logistics system that uses RFID and barcode data capture to track and trace goods end-to-end, from raw materials, through manufacture, into storage and distribution.

Speedy Implementation

Red Ledge MAPS speeds up system development using pre-designed, pre-defined and packaged production processes. Items can be dragged and dropped as on-screen objects that automatically communicate with other processes.

These processes cover all areas of production and logistics, from raw materials, to finished goods, warehousing and distribution. This allows faster, more cost-effective deployment.

Red Ledge MAPS tracks and manages every stage of production and logistics. Full KPI reporting for manufacturing targets is of course included. System choices include RFID, barcode and voice-driven information capture with full traceability. There is also the option to add client-specific custom production and warehousing processes into the mix. Red Ledge MAPS can be integrated with existing ERP and MRP systems. Red Ledge MAPS uses RFID choke-point portal readers to seamlessly track every stage of manufacture and logistics. MAPS captures and reports data in real time from RFID-tagged products or assets (e.g. jigs) at more than twice the speed of their barcode equivalent and with 100% accuracy.

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Problem **Solved.**

Machine Integration

Red Ledge MAPS can be used to communicate to existing PLC processes to ensure 100% production accuracy.

Batch Traceability

MAPS links seamlessly to Red Ledge's other tracking systems (asset tracking (AMS) and warehouse management (WMS)) it can be used as part of an integrated solution to ensure total batch traceability, from raw material receipt, right the way through to customer delivery.
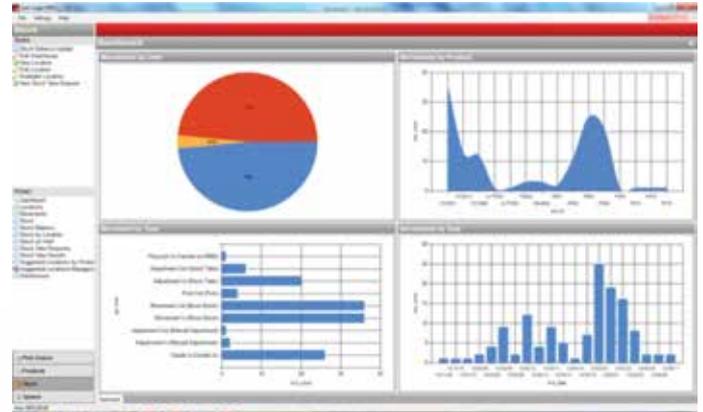
Efficiency

Implementation of Red Ledge MAPS results in an improvement in manufacturing and production speed and accuracy. MAPS takes care of replenishment of stock at production and ensures the correct components are used during the manufacturing and production process. MAPS ensures the correct sequence of events are followed and greatly improves accuracy by ensuring PLCs and machines are set correctly for the job in hand.

Business Benefits

- Increase efficiency and productivity
- Prevent costly mistakes
- Cut costs
- Increase control
- Deliver customer satisfaction!

Real Time Reporting

Red Ledge MAPS includes fully tailorable and pro-active management and key performance indicator (KPI) reporting that will identify issues before they cause problems. Issues are automatically flagged-up to the management team via email and/or SMS.

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