

Taking Efficiency to the Next Level

The Automation of 26 Distinct Processes

AT A GLANCE

CUSTOMER SNAPSHOT

- Global Electronics Manufacturer
- Power Systems, Rail Transportation & Water Treatment Industries
- Circuit Breakers, Power Transformers, Electric Transmission Technology

RADLEY PRODUCTS IMPLEMENTED

- [Integrated Data Collection](#)
- [Traceability](#)
- [Containerization/Kitting](#)

PROJECT SNAPSHOT

- Operational Analysis
- Project Management
- RF Network
- Barcode Data Collection
- License Plating
- Label Printing
- [Mobile Devices](#)
- Printers – Fixed & Mobile
- Training & Support

BENEFITS

- Improved Data Integrity
- Consolidated and Minimized Scans/Transactions
- Increased Real-Time Visibility to Inventory & Status's
- Streamlined Cycle and Physical Inventory Counting
- Receives Immediate Error Alerts - As Each Barcode Is Scanned
- Online Queries, Downloads & Label Prints - From their ERP System to End User
- Ability to Reduce Audit Risks & Comply With Standards
- Simplified Kitting of Materials & Components
- Automated email alerts of inventory errors, statuses, etc.
- Search Inventory by Unlimited Characteristics, Serial, Co-Mingled Lots

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Customer Summary

The customer featured is a global electronic manufacturing company providing electrical and electronic products, systems and services; responsible for serving the power systems, rail transportation and water treatment industries.

Challenges

Increase overall efficiency with primary focus on speeding up their processes and gaining visibility into their inventory.

- Nearly everything was hand written and took days to get the ERP system updated.
- There was no way to get a real-time view of where anything was.
- Bottlenecks in production and delivery occurred because of waiting for the system to be updated.
- Tracking lots and serial numbers was tedious and slowed down the process even more.
- Inventory was off and new material was often ordered when it was not necessary.
- Process delays caused deliveries to be late which lowered customer satisfaction.

Solution

To address the customer's primary concerns, Radley suggested a combination of solutions that would allow for the most areas to be automated as possible. By integrating our [license plate technology](#), barcode data collection along with containerization/kitting to their existing ERP system; they were able to successfully improve and automate numerous processes

- Automatic verification if Items were required to be sent to QA, accesses third party quality system and automated the necessary documentation or label.
- [Smart transactions](#) enabled users to continue picking orders during cycle counts by preventing inventory that was actively being counting from being relieved and automated emails are generated to notify a supervisor.
- Automated expedited Material Issues get material to work orders that are on hold waiting for the arrival of materials and a Material Withdrawal allowed material to be withdrawn from a job and then issued to a job of higher priority.
- Inquiry transactions from their handheld device/scanner gave shop floor users the ability to identify item locations for moving, issuing, or picking from anywhere within the warehouse.
- [Traceability](#) allowed the Material Issue to pick and build shipping pallets for shipment to customers, the items are automatically verified against Customer Order or Transfer Order to ensure all line items and quantities are shipped accurately for each order.
- Kits containing numerous components were created with [Containerization](#) and the lot and serial numbers tracked automatically.
- Provided robust query options into database to search inventory by unlimited characteristics, serial numbers and easily track and differentiate commingled lots.
- Automated label printing was implemented for receiving, material issues, picking and transfer order shipping labels.
- Allowed manufacturing to continue without disrupting month end processing, when normally the ERP/Accounting would have to suspend manufacturing.

Results

The implementation of Radley's technology and solutions helped to eliminate nearly all of the manual data entry, decreased transaction processing time and saved hours of tracking lot and serial numbers. 26 processes were dramatically improved by automated validations, alerts/emails, reporting, license plating and label printing with 14 data collection transactions configured to work with the customer's existing business logic. Data is now literally at their fingertips anywhere within the facility for quick and easy access. Real-time visibility was gained not only into their inventory, serial numbers and lots but their supplier & customer details as well. The project was so successful; they rolled the solutions out themselves to a new facility with minimal assistance from Radley. They've continued to be a valued customer and Radley supporter; serving as a reference to potential new Radley customers and even hosting site visits to their facilities.