

# **5%**

by implementing Continuum's RFID solution at the point of use.

# Providing Solutions to Healthcare's Most Complicated Challenges

DeRoyal's Continuum<sup>®</sup> inventory management solution provides ease of use, accuracy, and visibility to all aspects of the supply chain. This allows systems to increase revenue, make informed business decisions, and allows clinicians to focus exclusively on patient care. Continuum's inventory management and point-of-use hardware solutions incorporate RFID technology to automate pertinent inventory control activities and point-of-use clinical workflows. The cloud-based Continuum software provides a scalable solution that can integrate with existing systems to fit seamlessly into current software workflows.

### AIR

Continuum AIR<sup>™</sup> scanner is a handheld, portable RFID scanning device that simplifies inventory management in healthcare facilities. The AIR<sup>™</sup> scanner quickly counts and reports items in inventory locations with minimal human intervention reducing inventory time to minutes instead of hours.

## OSCAR<sup>®</sup>

Continuum's OSCAR® Smart Receptacle device is a smart trash receptacle that automates supply capture at the point-ofuse. The OSCAR® Smart Receptacle automatically recognizes RFID-tagged supplies as packages are disposed of and captures critical Unique Device Identifier (UDI) details. Simplified clinical documentation guarantees supply capture accuracy and ensures clinical time is focused on direct patient care. Pick It. Use It. Throw It Away.®



### **Regional Medical Center**

This case study was performed at a Health System in south-central Ohio. The Health System includes four hospitals and six regional clinics. They serve as the only healthcare provider in south-central Ohio providing da Vinci Robotic Surgery, Mako Robotic Surgery, and advanced MRI capabilities. The Health System represents an exceptional choice for advanced patient care.

The hospital operates sixteen specialized surgical suites along with specialized inpatient units, an Emergency Department, physician practices, and specialty care areas. Five centers of excellence, including Surgical Services, Cardiac Care, Cancer Care, Orthopedic Care, and Women and Children, provide exceptional service to the community. They use seven surgical suites in the hospital for in-patient procedures, three suites in the Health Pavilion (Pavilion ASC) for outpatient procedures, and six suites in their new Orthopedic and Spine Institute.

# The Scope



This regional hospital began implementing the Continuum<sup>®</sup> system in mid-2019. The project aimed to reduce clinical time spent on manual supply documentation, improve clinical documentation accuracy, improve clinical staff satisfaction, and increase revenue. A team of key stakeholders and end-users coordinated workflow and integration planning, installation, and go-live. The new workflow required integration with third-party vendors - electronic medical record (EMR) and inventory management systems - to allow information sharing. Installation of the Continuum system required the hospital to adopt a process to RFID-tag items used in surgeries. The RFID-tagging process mandates planning and on-boarding to ensure success of the system. The Continuum Print Utility enabled the hospital to adopt RFID-tagging easily and provided them flexibility in managing inventory used in surgery. They took an innovative approach to tagging whereby they decided to tag as much as possible to minimize manual input at the point-of-care. The hospital guickly expanded their Continuum system footprint by implementing the Continuum AIR scanner to streamline inventory activities. Supply chain personnel use this solution in place of manual processes to perform daily count scans in each of their inventory locations. Inventory on-hand levels are automatically captured and transferred to the materials system for requisitions, saving time compared to manual reorder entry. The Continuum AIR scanner captures product expiration dates to help proactively manage products at risk for expiration with limited human intervention ensuring patient safety. Additionally, the Continuum scanner captures, tracks, and reports lot numbers and serial numbers for seamless product identification in the event of a recall.

Challenges Before Continuum<sup>®</sup> system implementation, the hospital identified the following challenges.



This is one of the greatest things we have ever done... The implementation of the OSCAR<sup>®</sup> receptacle allows the clinical staff to give more attention to the patient instead of data entry type tasks. It is one of the best quality initiatives I have seen in a significant amount of time.



# C<sup>®</sup>NTINUUM<sup>®</sup>

Jonathan Cayce, Ph.D. | Clinical Research Scientist, DeRoyal Industries, Inc. Hailey Meadows, MBA | Account Executive, DeRoyal Industries, Inc. Dana Olson | Account Manager, DeRoyal Industries, Inc. Regional Medical Center

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