rfidCollect Announces Three Successful Pilots Using Its Advanced Data Collection Solutions

SEATTLE and COLUMBIA, MD – Feb. 23, 2019 – rfidCollect, LLC, an original equipment manufacturer (OEM) and automated resource management solutions provider, has announced completion of three successful pilot projects. The pilots used the company's RFID- and sensor-based data capture, tracking and asset management technology.

rfidCollect developed and implemented systems that improved inventory management, increased resource visibility, boosted regulatory compliance and reduced product loss for customers in the pharmaceutical and manufacturing sectors.

For a global New Jersey-based pharmaceutical manufacturer, rfidCollect developed an open-source management solution that provides a closed-loop system to digitize costly, error-prone manual processes. The system automatically collects accumulated time out of environment (TOE) data for refrigerated substances used in pharma production. Temperature-sensitive products were affixed with either barcodes or RFID tags to collect externally hosted data accessible via a web console for real-time visibility. The system generates customer documentation as well as alerts and notifications for products outside of established time and temperature limits.

Prototype module to retrofit a refrigerated pharmaceuticals dispensing cabinet with an rfidCollect system

A second pilot involved engineering and implementing an insertable RFID module with an embedded reader, antennas and software for automated data collection inside refrigerated pharmaceutical dispensing cabinets. The easily replicateable, low-cost units enabled the Maryland-based cabinet manufacturer to retrofit existing units to simplify reading and reporting of RFID tag data for safe storage and distribution of temperature-sensitive vaccines and injectables.

rfidCollect's automated data collection solutions perform in both low temperatures and furnace-hot conditions

rfidCollect's third customer needed to locate and track graphite electrodes used in steel manufacturing, a challenging environment with extreme heat and radio wave-deflecting metal. rfidCollect developed and installed a rugged system using RFID tags and antennas implemented inside Indiana steel plants to document material's origin

and usage and to provide time/date stamps for product movement. Collected information is transmitted through a serial communications protocol that delivers data in real time to the company's backend management system.

"All three paid projects demonstrated the ability of rfidCollect's solutions to improve accuracy of front-end data collection necessary for actionable analytics and IoT applications," said Bruno Riegl, managing director of rfidCollect.

About rfidCollect, LLC

rfidCollect, LLC, is an OEM and developer of RFID- and sensor-based advanced data collection solutions. The company's tagging, hardware and software applications are used to track and manage products, assets and people. Its main offices are in Seattle and Columbia, MD. Its customers have substantial regulatory compliance requirements and/or need enhanced inventory management and environmental controls for product efficacy and safety. rfidCollect's target markets include pharma research and production, food production and distribution, data centers, healthcare, warehousing and logistics.

rfidCollect's preconfigured RFID-based data collection kits for harsh environments