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CASE STUDY: Accurate Asset Tracking in Complex Supply Chains with Cloud-Based IoT Software

Background & Challenge

As reusable transport packaging (RTP) models continue to gain adoption in many industries around the world, users of these systems are seeking solutions to help them track and manage their assets as they move through the supply chain. Complex movement of goods require capturing and analyzing a multitude of data points from parties, such as in the automotive industry, OEMs, suppliers, and logistics providers. RTP tracking in these supply chains is often manual, resulting in inaccurate data and high asset loss rates.

Solution & Results

Surgere's Interius Asset Management module is a cloud-based application that allows complex supply chains to accurately track and analyze the movements of reusable assets. RFID tagged assets transmit information to one central database. For the automotive supply chain, Surgere created its first industry-specific data "community", AutoSphere, to connect OEMs, suppliers, and logistics providers on a common tracking platform.

AutoSphere gives members visibility into RTP movements by strategically capturing all the transactional information between automotive OEMs, suppliers, and logistics providers. By connecting companies through a common technology system, 99.9% accurate and reliable data is available to all participating parties, helping the entire supply chain become more efficient and sustainable.

After implementing Interius and joining the AutoSphere community, one large OEM realized \$4.3 million annualized cost savings from reductions in erroneous and expedited shipments, container losses, and part quality issues. Due to the improved asset utilization and availability, this OEM also achieved a 30% reduction in unplanned cardboard use, reducing waste from one-way packaging.



Market(s): Automotive, Retail, Industrial

Solution: Cloud-based software application receiving and interpreting data collected from IoT-sensor technology to locate parts, reusable containers, trailers, and finished goods.

Key Outcomes:

- 99.9% data accuracy
- Reduced process management and inventory data collection time
- Increased asset utilization and availability
- Greater supply chain efficiency



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