

SOLUTION

Returnable Asset Management


INDUSTRY

Speciality Chemical Manufacturing

HOW A SPECIALITY CHEMICAL MANUFACTURER SECURED HIGH-VALUE ASSETS TO SAFEGUARD PRODUCTION AND CUT COSTS

A leading manufacturer of advanced films used inside glass to prevent shattering in buildings and automobiles, was moving from wooden pallets to reusable metal containers. The goal was to improve product protection, increase sustainability, and streamline operations.

Previously, the company used around 3,000 wooden pallets annually. However, wooden pallets were labor-intensive, prone to damage, and offered limited reuse. Transitioning to metal containers, which are more durable and standardized for consistent handling, represented a major operational improvement but also a significant investment of around \$400,000. Without an effective tracking system, the risk of loss or mismanagement of these assets could undermine the entire initiative. To protect their investment and maintain uninterrupted production, the company needed a robust, real-time asset visibility solution to optimize fleet management and reduce replacement costs.



"Our ability to track every carrier in real time has given us not only confidence in our operations but also significant savings on replacement costs. It's a smarter, leaner way to manage critical production assets."

**Supply Chain
Operations Leader**
Global Materials
Manufacturer

CHALLENGES

- Heavy reliance on fragile, labor-intensive wooden pallets
- Loss and mismanagement of expensive metal carriers, risking production delays
- No existing tracking of carrier inventory or movement
- Need to optimize fleet sizing without over-investing in excess carriers
- No tracking system integrated with existing ERP processes

BENEFITS

- Protected a \$400,000 investment by reducing asset loss and misplacement
- Improved production continuity with accurate carrier availability
- Optimized fleet sizing, minimizing excess inventory and associated costs
- Real-time visibility into asset locations across the supply chain
- Enhanced operational visibility and decision-making across the supply chain
- Achieved annual savings of \$700,000

SOLUTION

The company deployed our Returnable Asset Management solution featuring durable, permanently attached tags on every metal container utilizing both RFID and barcodes. The system integrates with existing enterprise systems to monitor inventory in real time, track asset movement, and capture critical contextual data including customer details, product types, and dwell times.