Revolutionizing Warehouse Efficiency with AI Technology Integrations

Recognizing the need for enhanced efficiency within their warehouse to point of delivery, Adams Beverages partnered with Rehrig Pacific to explore advanced technology solutions. Together the teams identified goals they wanted to impact, such as higher warehouse throughput, reduced product loss, minimized mispicks and an improved quality control (QC) process, and increased trust with their retailers. Leveraging Rehrig Pacific's Direct Store Delivery (DSD) solutions, Adams Beverages adopted a comprehensive technology solution to address these pain points.

The strategic mix of VOR (Vision® Object Recognition) technology solutions included smart stretch wrappers leveraging AI, intelligent dock doors, and a digital audit tool. Each component was critical in addressing specific pain points within the warehouse.

Integrating SKU Verification, Load Validation, and QC Bot facilitated a comprehensive quality control process. The shift from manual, time-consuming methods to intelligent automation resulted in an enhanced order accuracy at the case level, ensuring precision in order fulfillment.

The impact:

80% less time
spent auditing pick errors

Reduction
in hotshot deliveries

$270,000+
PER YEAR
per DC in savings

100%
QC accuracy driven by AI
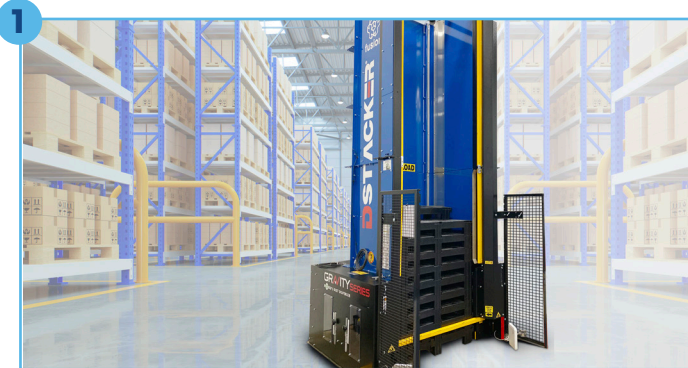
11 months
per DC in savings

40%+
daily reduction of returned products and damages

These improvements translated to increased gross profit, enhanced revenue per invoice, an improved retailer-customer relationship, and a more streamlined operational process, leading to a stronger relationship between warehouse and delivery.

VOR Suite of Products

Vision® Object Recognition (VOR) is the first of its kind end-to-end, multi-system AI technology that provides complete supply chain visibility, improving efficiencies in the beverage and food service industries through deep machine learning. VOR consists of independent yet highly integrated products.

1

Smart Enabled Dstacker:
Assists with asset management, real-time inventory, and warehouse space savings.
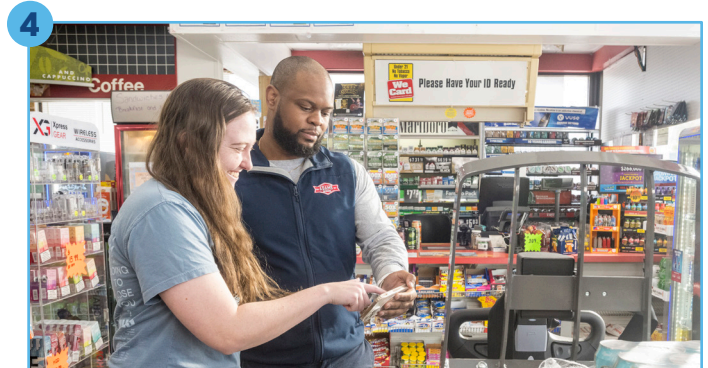
2

Smart Pallet Wrapper:
Using AI deep learning technology, SKU Verification validates the accuracy of every item for every order.

3

Intelligent Dock Doors:
Load Validation verifies the right customer-order pallet is loaded on the right truck in the right sequence.

4

In-Store Delivery:
A digital check-in solution that provides visual confirmation of order accuracy from warehouse to store, removing the need for manual counting.

vision® object recognition

Faster and More Accurate Warehouse-to-Store Delivery