

The Warehouse Decision Intelligence Platform

FOR FOOD & BEVERAGE

Accelerating WMS Value
to Protect Freshness,
Optimize Flow, and
Eliminate Firefighting.

F&B Logistics Has a Decision Overload Problem

Food and Beverage (F&B) logistics doesn't have an execution problem; it has a decision overload problem. Short shelf lives, constant production shifts, volatile customer demand, and unforgiving retail compliance windows create an environment of continuous disruption.

STATIC WMS PLANS SHATTER UNDER DISRUPTION

Traditional Warehouse Management Systems (WMS) excel at tracking transactions and recording inventory, but they cannot orchestrate execution across competing priorities.

When a production line changes over or a carrier arrives late, the static daily plan shatters.

Warehouse floor managers are left "firefighting", manually shuffling paper, re-sequencing dock doors, and guessing at labor allocations.

A REAL-TIME DECISION LAYER ON TOP OF WMS, ERP, AND MES

AutoScheduler is the real-time Warehouse Decision Intelligence Platform that sits on top of your existing WMS, ERP, and MES. It continuously balances constraints across your plants, yards, docks, and labor pools. AutoScheduler automatically generates and adjusts the optimal execution plan for the next 24 to 36 hours, ensuring your operations run on rhythm, without requiring a costly system "rip-and-replace."

4 Critical Challenges Facing F&B Warehousing

Freshness, production variability, carrier volatility, and retail compliance windows collide inside the same shift.

The Freshness vs. Inventory Trap

01

F&B operations operate on strict FIFO (First-In, First-Out) or FEFO (First-Expired, First-Out) rules. When inventory tracking and dock scheduling are disconnected, high-velocity perishables sit too long, resulting in severe margin loss through scrap, spoilage, or rejected retail shipments.

The Production-to-DC Blindspot

02

Production lines change schedules based on raw ingredient availability or plant constraints, while distribution centers struggle to anticipate exactly what inventory will hit the staging area and when. This gap leads to constant staging congestion or missed orders.

Severe Dock & Yard Congestion


03

Uncoordinated carrier arrivals, unoptimized door assignments, and fluctuating cross-dock opportunities cause trailers to back up in the yard. The results are cascading detention fees, driver frustration, and missed customer On-Time, In-Full (OTIF) targets.

The Volatility of "Tribal Knowledge"

04

Daily operations frequently rely on a few key personnel (the "quarterbacks" or "taskers") using unwritten rules and mental math to run the floor. This manual approach cannot scale, cannot adapt instantly to changing conditions, and leaves the operation vulnerable to human error and labor turnover.



A rolling 24-36 hour execution plan replaces firefighting with rhythm.

HOW IT WORKS

The Continuous Orchestration Loop

The platform transforms data into automated, optimized decisions by creating a single, real-time operating picture across the entire facility footprint.



Decision Intelligence in Action

AutoScheduler continuously balances constraints across plants, yards, docks, and labor pools - without a costly system rip-and-replace.



Yard & Dock Synchronization

Dynamically sequences trailers and assigns optimal dock doors to minimize cross-facility travel distance, eliminate bottlenecks, and accelerate high-velocity inventory flow.



Dynamic Labor Balancing

Continuously aligns tasking with actual labor capacity. Floor managers can reliably plan 24 to 48 hours ahead using straight-time, minimizing costly, reactive overtime.



WMS Acceleration

Rather than replacing your infrastructure, AutoScheduler acts as the decision intelligence layer for your existing WMS. It continuously reads constraints and writes optimized, interleaved tasks directly back into the system for workers to execute.

PROVEN IN THE HIGHEST-VELOCITY NETWORKS

Meaningful ROI from Predictable, Math-Driven Flow

AutoScheduler drives measurable ROI across complex consumer networks by replacing manual firefighting with predictable, math-driven flow.

Network Performance Benchmarks



Real-World Impact

PepsiCo

Operating at massive scale, PepsiCo integrated AutoScheduler to address high-velocity inventory synchronization. By deploying a decision intelligence framework on top of their transactional systems, they shifted operations from manual, reactive firefighting to optimized, autonomous flow. The platform unlocked a seamless operational rhythm between production outputs, yard moves, and dock sequencing.

9-14%

Average productivity gains per facility

Kellanova

During a high-stakes corporate spinoff, Kellanova used AutoScheduler across its North American distribution network to replace tribal knowledge with standardized, math-driven execution.

~9%

Year-over-Year Improvement

Commercial Pallets Per Hour (CPPH) across the network.

~19%

CPPH Improvement

Specifically achieved at its Lewisville pilot facility.

Reduction in Overtime Spend

Via predictable 24–48 hour operational visibility.

Meet the Warehouse Decision Agent for Food & Beverage

Your entry point to the Warehouse Decision Intelligence Platform

AUTO SCHEDULER

