

The Warehouse Decision Intelligence Platform

FOR RETAIL

Maximizing Store In-Stock
and E-Commerce Velocity
Without Scaling
Headcount.

Retail DCs Have a Decision Overload Problem

In modern retail distribution, store in-stock status and rapid e-commerce fulfillment are board-level priorities. Yet retail DCs face constant volatility as planners juggle store replenishment, club orders, and direct-to-consumer parcels out of the same facility.

STATIC WMS PLANS BREAK UNDER OMNI-CHANNEL VOLATILITY

Traditional Warehouse Management Systems (WMS) record transactions and manage static inventory locations well, but they fail to orchestrate multi-variable execution in real time.

When promotional volume spikes arrive with little warning, returns surge, or tight labor markets leave shifts understaffed, manual schedules break. Shift planners are forced to spend hours rebuilding schedules manually using static spreadsheets, while the warehouse floor falls into costly firefighting.

A REAL-TIME DECISION LAYER ON TOP OF EXISTING SYSTEMS

AutoScheduler.AI is a real-time Warehouse Decision Intelligence platform that sits directly on top of your existing systems. It acts as a toolbox of analytics built on years of deep warehouse domain expertise, turning the data from systems you already run into immediate, optimal execution decisions, all without a costly system "rip-and-replace".

4 Critical Challenges Facing Retail Distribution Networks

Omni-channel demand, labor constraints, peak events, and manual planning collide inside the same shift.

01

Omni-Channel Resource Competition

Fulfilling store replenishment orders and high-velocity e-commerce shipments out of the same building creates intense competition for available labor and dock doors. Without dynamic prioritization, high-priority, same-day or next-day outbound SLAs break because teams are stuck executing lower-priority tasks.

02

Severe Labor Constraints and Compressed Margins

Labor stands as the single largest cost line item in a retail DC, making workforce productivity a direct driver of corporate profitability. In regions with tight labor markets or unionized labor forces, manual, error-prone scheduling results in severe labor imbalances, wasted walk-time, and expensive reactive overtime.

03

Existential Peak-Season Chaos

Major retail events, such as Black Friday, Cyber Monday, holiday surges, or Prime Day promotions, create massive volume spikes that push capacity to existential limits. Planning manually for these surges leads to gridlocked docks, backed-up yards, and missed delivery windows.

04

The Planning Overhead Drain

Because warehouse realities shift by the minute, shift planners and site supervisors spend hours every shift frantically rebuilding schedules. This continuous manual re-planning is a massive drain on operational excellence, distracting leadership from floor execution and exception management.



**A rolling 24-36 hour
plan keeps store
and e-commerce
promises moving.**

HOW IT WORKS

The Decision Intelligence Architecture

AutoScheduler integrates seamlessly with your existing infrastructure to translate siloed transactional data into real-time operational flow.

Build Any Decision App

No IT Project. No New Integration. No Next Purchase.

4 WAYS TO ACT ON DECISION INTELLIGENCE



PLANNER

The Conductor

Designs the perfect shift before it starts: who, what, when, and where.



WAREHOUSE DECISION AGENT

The Advisor

Always on call. Knows the plan and the why behind every recommendation.

TRY IT NOW



BUSINESS INTELLIGENCE

The Watchtower

Watches every site in real time and flags trouble before it hits the floor.



APP BUILDER

The Maker

Spins up a custom decision app for any call your team needs to make.

NEW

THE ENGINE THAT DRIVES EVERYTHING

THE ENGINE • ALWAYS SOLVING

Optimization Engine

The best plan, continuously solved.



The heart and soul of the platform. It draws on the wide data and semantic foundations beneath it and runs nonstop, solving for the optimal way to run the facility, then driving every module above it. One core. One source of truth.



CONTEXT THE AI CAN READ

Semantic Layer

Teaches the platform what your data means: the language, rules, and relationships of how your warehouse runs.



ONE SOURCE OF TRUTH

Unified Data Layer

Every system's data harmonized into one accessible, real-time format. The ground every layer above is built on.

THE FOUNDATION • YOUR EXISTING SYSTEMS

The Unified Data Layer is built from, and depends on, these. No rip & replace.

WMS

LMS

YMS

Automation

Production

ERP

Predictable Retail Flow Without Scaling Headcount

AutoScheduler turns volatile retail distribution networks into predictable, math-driven execution engines.

Retail Network Impact Benchmarks

↑ **15-30%**

Increase
in Overall Warehouse
Throughput Capacity

↓ **8-15%**

Reduction in
Hard Dollar Labor
Expenditures

↓ **96%**

Reduction in Manual
Workforce Planning
and Re-Scheduling Time

MAX

Fill Rates
and Internal
OTIF Targets

Real-World Proof: The Enterprise Playbook

Eliminating the Planning Drain

For global enterprise networks like **Procter & Gamble**, manual warehouse and campus scheduling required extensive operational overhead and constant firefighting due to shifts in demand. By introducing AutoScheduler’s real-time constraint optimization framework, they eliminated manual spreadsheet rebuilding entirely.

From 8h to 20m

Reduction in
Workforce
Planning &
Schedule Creation

\$4M+

Audited
Savings

+30%

Throughput
Boost
During Inventory
Crunches

99%+

On-time
shipment
performance
benchmark

Meet the Warehouse Decision Agent for Retail

Your entry point to the Warehouse Decision Intelligence Platform



Start Now

