

# Centralized Warehouse Orchestration

## Put Your Warehouse Planning on AutoPilot

### The Challenge

Inside of every distribution center, planners and administrative staff use all data available to manage shipping, receiving, dock schedules, inventory control, the release of work, and more. Distribution centers have complex tasks that need to be performed, and each one has a variety of constraints that need to be understood and balanced by the planning staff to get all of the proper inventory out of the right door at the right time. **The challenge is that there are just too many decisions to be made to optimize your warehouse and optimize labor and delivery to customers.**

#### » Outbound Orders

- Inventory Needed
- Planned Ship Time

#### » Receipts

- Arrival Time

#### » Inventory

- Inventory
- Status
- SKU Data
- Dimensions
- Expiration

#### » Locations

- Usability
- Capacities

#### » Tasks

- Activity Times
- Concurrency Basis
- Sequence Dependency

#### » Labor Capability

- Robotic Systems
- People & Skillsets
- Equipment Available

#### » Constraints

- Inventory Constraints
- Shipment Constraints
- Building Constraints
- Order Constraints



**Optimizer**

#### » Plan

- Maps Trailers to Doors
- Dynamically Controls Work Queue
- Creates Cross-docks
- Auto-manages Inventory Cuts & Shipment Shortages
- Creates Intra-campus Transfers

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### AutoPilot

Leverage AutoScheduler's enhanced AutoPilot solution for advanced warehouse optimization. New plans are created and directly injected into the warehouse management system, optimizing all activities and constraints to ensure the site runs optimally.

- » Reduce planning time by 97%
- » Increase productivity per headcount by 16%
- » Reduce inventory waste by 13%
- » Reduce intra-campus transportation costs by 31%
- » Double cross-docking utilization

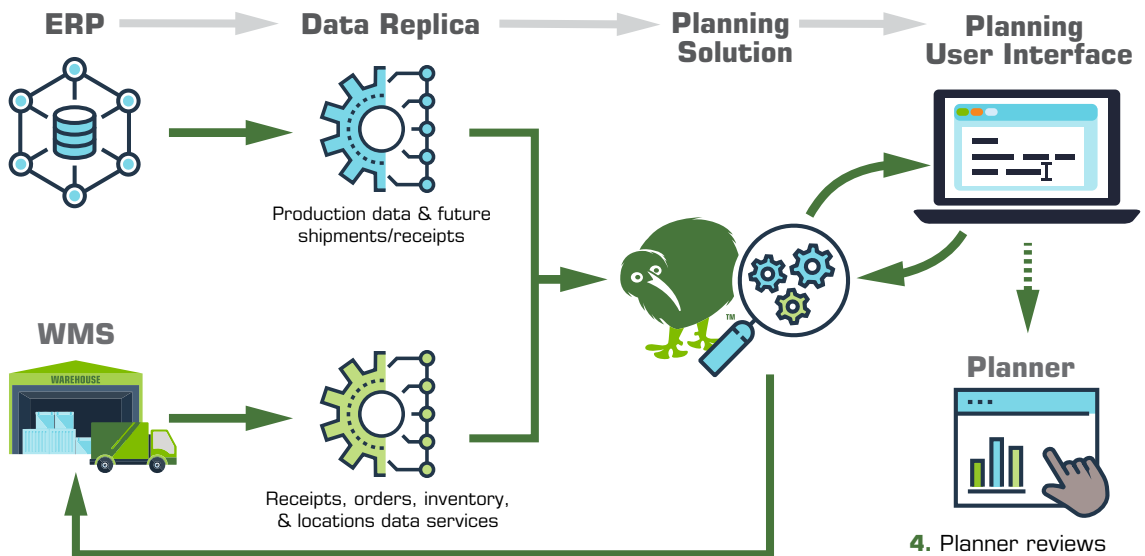
### AutoPilot Central

Get a birds-eye view of your multi-site data for centralized command and control of your entire distributed warehouse network! AutoPilot Central aggregates your multi-site AutoScheduler data, and using predictive analytics, enables supply chain top officers to at-a-glance rank the sites, quickly see which areas across the network are out-of-tolerance or at risk, and take corrective action to mitigate risk before chaos happens.

- » Aggregate multi-site data for centralized warehouse optimization and risk mitigation

1. Data is pulled from core execution systems into transactional data services.

2. AutoScheduler accesses data from the services and creates an optimized plan every hour.



3. Recommendations are injected into the WMS, or other execution systems (OMS, YMS, WES, and more).

4. Planner reviews plans on their own schedule and tinkers with them when bored.



Contact Us for a demo and initial assessment 512-277-5048.

4650 Everal Lane, Franklin, TN 37064 autoscheduler.ai