



Load Building

The warehouse built for the future

Evolve how you run the warehouse with cognitive capabilities for complex dynamic warehouse operations with endless adaptability and continuous improvement

Business challenge

Every organization that requires transportation planning is tasked with improving service levels while reducing transportation costs.

The fine balance between these objectives becomes difficult to achieve when warehouse management and transportation planning are disconnected, resulting in underutilized trailer capacity and missed order shipments at the same time.

Furthermore, if priorities are communicated to logistics, and they do not know what products are important, a lower priority order may be shipped while a critical priority order may be missed or overlooked adversely affecting service levels.

Load Building Capability

Load Building as part of the Warehouse Management Solution is designed to build full truckloads from fulfillment orders and provide optimal load containerization plans maximizing trailer utilization.

This is ideal for distribution-intensive industries where interfacility moves must be intelligently grouped together considering inventory, equipment, product, and packaging constraints.

Load building pushes or pulls the orders within a configured planning horizon and splits.



Metrics

- Reduce transportation administrative costs by

5%

- Reduce inbound freight expense by

5%

- Reduce outbound freight expense by

6%

Capability offerings

Order consolidation and order splitting

- Consolidates multiple orders together, providing planners full control over the way orders are aggregated
- Splits order quantities across multiple trucks to achieve maximum load efficiency

Constraint Aware Dispatching

- Dock door and travel time constraints are taken into account to assign trailer dispatch times.
- Resources can be orchestrated to ensure the load is shipped on time.

Equipment Dimensions

- Respects equipment dimensions, including usable dimensions and axle weight constraints, to achieve the best fit for the load while honoring the number of available vehicles

Multi-Level containerization

- Provides a three-dimensional containerization plan that both maximizes and optimizes shipping space utilization

Key benefits

- Improve transportation efficiency by building full truckload loads from fulfillment orders
- Increase service levels while reducing transportation costs
- Reduce execution exceptions as execution constraints are considered during planning process
- Enhance customer service and loyalty by fulfilling orders on time and in full

One solution for the entire warehouse

Load Building is just one of the many capabilities included with Warehouse Management.

Our next generation warehouse management solution builds on 25 years of proven, robust capabilities with paradigm shifting innovation to better predict, plan, adapt, and unify warehouse operations.



To learn more about building the warehouse for the future

Contact your Solution Rep or visit blueyonder.com