Fully Utilize Trailers and Eliminate Loads

Benefits of Syntelic

- Eliminate truck loads by fully utilizing trailer capacity.

- Automate the load planning process to save on labor.

- Avoid the repercussions of over-weight trailers including fines or the expense of returning to the dock to reload after yard weighing.

- A scalable, centrally administered, and regularly maintained solution for large, geographically dispersed companies.

Reduce Shipping Costs with Truckload Optimization

Executive Summary

Syntelic's Truckload Optimizer selects the optimal mix of pallets of varying densities to fully utilize trailer capacity and reduce the number of outbound truck loads. Whether you assign loads to common carriers or manage a private fleet, Syntelic can lower your shipping expenses. Syntelic's logic looks at all pallets available to ship including future orders, calculates pallet densities, and plans the load within axle weight limitations.

The Challenge

Balancing Weight vs. Volume

To build an optimized truckload, a trailer's volume must be fully utilized without exceeding weight limitations, including axle-weights. The challenge lies in consistently optimizing ALL trailers. This can be difficult for distribution operations that ship palletized products of varying weights. Filling one trailer with too many low density pallets may leave too many high density pallets left to ship on the next trailer. Instead of double stacking pallets to use all of a trailer's volume, a load might go out with a single layer of dense pallets to avoid being overweight.

When a trailer is under-utilized with some of its volume taken up by air instead of cases due to having too many dense pallets, that work-around represents a missed opportunity to lower shipping expenses.

Don't Rely on the Seasoned Veteran

Operations may run smoothly when personnel involved in truck loading grasp the challenge of finding the right mix of high-density and low-density pallets to better utilize the volume of trailers without exceeding weight limits. The seasoned load planner develops an intuitive sense of pallet densities as he decides what to put on a trailer and what to reserve for the next trailer so as not to get stuck with too many dense pallets.

What happens when the seasoned worker is out sick or leaves the company? Syntelic replaces intuition.

Syntelic Truckload Optimizer Eliminates Loads Every Week

All Orders Available to Ship

Syntelic's Truckload Optimizer looks at all orders that are available to ship when mixing pallet densities to achieve fully optimized loads. The efficiency and effectiveness of Syntelic's logic is enhanced when orders 1, 2, or even 3-days out expand the pool of available pallets, limited by business rules about which orders may be released ahead of schedule. Similarly for orders that are not time-sensitive, pallets may be held back to be used in the next day's shipments to improve overall optimization.

Eliminating Loads

Syntelic 's Truckload Optimizer cuts the total number of loads required to ship all orders. For example, if a DC shipped 200 full truckloads a week, with Syntelic it might ship just 180 loads a week. This reduction is directly the result of improving the mix of pallet densities to more fully utilize trailers. Thus, fewer trailers will be needed to ship the same amount of product.

Better trailer utilization reduces outbound loads.

Reduce Split Items

When shipping from manufacturing facility to DCs, often items must be split among multiple trailers going to the same location. When these items must be reshipped upon arrival, it can take time and labor to hunt for and get at hot items. Syntelic's logic works to keep like items together, to reduce labor costs.

OTHER SYNTELIC SOLUTIONS

Transportation Analytics
The deluge of daily transportation data from disparate systems such as route planning and onboard computers hides actionable intelligence that can lead to gains in efficiency and cost savings. The challenge lies in uncovering those insights fast to support facts-based decision making. Syntelic integrates all available transportation data to drive a powerful analytics engine where raw data is transformed into transportation intelligence.

Dynamic Load Planning
Syntelic automatically creates trailer load plans and printed load diagrams for a wave of orders using best-in-class load planning logic. No manual intervention is needed since Syntelic dynamically selects the right trailer size and adjusts trailer compartments to map pallet locations.

About Syntelic Solutions Corporation

Since 1996, Syntelic has provided warehouse and transportation solutions for some of the most respected distribution operations in the United States. We are committed to bringing measurable value to our clients' operations by converting information into actionable business intelligence.

Syntelic
Essential Distribution Solutions

240-686-1180   sales@syntelic.com   www.syntelic.com