

Optimization

Save time, contain costs, and maximize utilization of transportation resources

OVERVIEW

In today's global economy, companies' supply chains continue to grow in complexity. Transportation teams can be challenged to create a comprehensive plan from accepted order to the delivery of goods that aligns with the organization's logistics strategy. Corporate-driven initiatives, customer service expectations, and cost constraints require supply chains to be more nimble. This is especially problematic for transportation departments where last-minute orders and short lead times are the norm. The Blujay Optimization solution uses a leading-edge proprietary optimization algorithm to generate best-in-class transportation plans.

SOLUTIONS AT A GLANCE

- › Save time in the overall transportation planning life-cycle
- › Mitigate unnecessary freight costs by containing the cost of carrier declines
- › Improve carrier relations
- › Eliminate the expense to acquire processing hardware by leveraging the SaaS model
- › Maximize the utilization of transportation resources, providing freight cost and carbon footprint savings
- › Allow transportation team members to shift from daily planning to more strategic and analytical projects

KEY FEATURES

- › Automates the planning of complex shipments and real-world situations
- › Utilizes leading optimization routines and scalable, parallelized computing to produce optimal transportation scenarios
- › Utilizes actual carrier capacity
- › Generates executable shipments through capture and enforcement of actual constraints
- › Supports the dynamic re-optimization of existing loads
- › Includes business intelligence capabilities for analysis and reporting

SOLUTION

When planning transportation, companies must try to simultaneously minimize costs, adhere to pickup and delivery windows, select the proper mode and equipment, and consider a multitude of operational constraints. With so many moving parts, the exponential number of options is overwhelming. Regardless of an organization's budget, size, or resources, companies with complex and dynamic supply chains need a solution to provide effective transportation optimization options.

The BluJay Optimization solution uses a leading-edge proprietary optimization algorithm to generate best-in-class transportation plans. Optimization applies captured transportation operational constraints to recognize viable options. These options are prioritized by the lowest cost solution, while taking customer service levels into consideration.

BluJay Solutions' Optimization considers the entire breadth and depth of a company's logistics network, and optimizes the logistics requirements with an enterprise-wide perspective. From goods flowing from suppliers, to multiple manufacturing facilities, to moving stock between national and regional distribution centers, to distributing outbound shipments directly to the customer or via regional distribution points, Optimization supports the inherent need for systems that look at the whole distribution function and maximize business-wide efficiencies. Optimization streamlines a complex process typically handled manually by transportation planners to create the most advantageous results, yet allows for modifications and review to support real-world logistics restrictions.

In addition, BluJay's Optimization supports corporate goals by providing dashboards, metrics and analytics to measure the achievement of specific initiatives. Companies leverage the solution to turn lower freight costs and improved customer service into competitive advantage.

Companies using Optimization, powered by BluJay's Transportation Management technology and the Global Trade Network, improve their transportation department efficiency by increasing productivity and allowing personnel to focus on more strategic initiatives. Consolidation is one of the primary considerations when formulating a least-cost, service-driven solution. Basic principles apply, such as maximizing vehicle utilization, but Optimization considers more leading-edge methods to achieve greater consolidation opportunities, including newer concepts whereby new orders can be augmented onto existing loads, even those that may have been already tendered.

BluJay's Optimization is designed to search for cost savings, some of which may be unknown to transportation departments. By providing the most optimal transportation plan, BluJay's Optimization saves companies significant time and expense while maintaining or improving service levels.

ABOUT BLUJAY SOLUTIONS

BluJay Solutions delivers supply chain software and services to the world's most progressive retailers, distributors, freight forwarders, manufacturers, and logistics service providers. Transforming supply chain logistics with the BluJay Global Trade Network, we enable customers to unlock the power of more than 40,000 universally connected partners. With BluJay, companies can achieve greater trade velocity, transform their supply chain economics for disruptive advantage, and see beyond the horizon to optimize their future in the global economy.

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