

MercuryGate Mojo

Build Optimal Load Plans You Can Execute



The magic of Mojo starts with the data you use everyday to move freight. Actual rates, approved carriers, specified capacities, transit times, and other available data is fed into Mojo to produce realistic and executable load plans. Orders from anywhere in the world from multiple customers, locations or vendors can be combined into multi-pick/drop movements, continuous move shipments, backhauls, and even pooling scenarios.

Would you like to zone skip some parcel shipments? Or, maybe you want to optimize production capacity with ocean sailing schedules and chassis availability? Mojo's magic is its ability to do all of this with thousands and thousands of shipments across multiple locations worldwide.

Mojo talks back too! It has the built-in ability to provide feedback about why it's doing what it's doing. But its real power comes from its ability to do what no other optimizer can – work in the real world, anywhere in the world, to solve real transportation problems with current data.



- **Optimize loads across business units, locations and customers (globally)**
- **Determine the best carrier and mode (ground, parcel, air, ocean, rail, intermodal)**
- **Simultaneously optimize inbound and outbound loads while looking for backhauls**
- **Optimize transportation equipment based upon schedules (i.e. ocean moves)**
- **Create multiple alternative transportation plans using real-world parameters**
- **Determine your carbon footprint and savings using Mojo's CO₂ calculator**

Mojo's Primary Functions

Create plans with any routing option

- Create multi-pick, multi-drop, continuous moves
- Explore backhaul opportunities
- Consider LTL consolidation
- Create "Milk Run" style of routing
- Utilize dynamic pooling options
 - Select if less expensive than direct
 - Force the load through a pool point
 - Use a pre-assigned pool location
 - Select the nearest to origin/destination
 - Select the "best" pool point
- Take advantage of parcel zone skipping
- Optimize containers for ocean and air schedules

Parameter driven analysis considers:

- Multiple modes (TL, LTL, rail, air, ocean, parcel, intermodal)
- Air, ocean and rail schedules
- Max out of route and cluster strategies
- Reverse stop constraints
- Continuous move stop restrictions
- Equipment constraints and driver duty limits
- Pick-up & delivery windows
- Hours of operation limits
- Dock schedules and availability
- Vehicle capacity and transit times
- Average ground speed
- Time to service stops
- Vehicle loading method (i.e., reverse stop)
- Pool point hold time
- Fuel surcharge attributes

Use results from multiple optimization runs to quantify impact of various parameter changes

- Compare summary of result sets anywhere in the world
- Compare detailed results from different parameters
- Select the best result set for execution
- Execute optimized results (tender, track, settle)

Use real world data to create real world plans

- Optimize using current contract rates and schedules
- Pull current data and rates from the TMS
- Determine actual costs using
 - Multiple accessorials
 - Live fuel index
 - LTL rates from SMC³
 - Real mileage determiners (e.g. PC*Miler, Mile Maker)
 - Built-in international geocodes

View detailed results from optimization analysis

- View a summary of savings from optimization
 - Show mileage, cost and CO2 differences
 - Show comparisons of multiple optimization runs
- See a visual illustration of route plans
- Receive a table of load descriptions
 - Expand to view detail of picks and drops
- Click to view detailed notes on optimization
 - Show details used for analysis
 - Show constraints found
- View graphs illustrating results
 - Costs and savings
 - Load configurations
 - Event and pool point statistics
- Save data and results in single file for future use

Run simulations, win new business

- Import external shipment and rate data
- See optimized savings compared to actual costs
 - Prove ROI on objective data
 - View your optimized rates across modes vs. external rates
 - Determine optimal origins for improving service and reducing costs
- Export results to a spreadsheet to share with others



Mojo Supports complex inbound/outbound/continuous moves



Use Mojo to plan loads anywhere in the world