

MercuryGate TMS

Transportation Management System That Delivers



When it comes to reducing and controlling your freight costs for all modes, the MercuryGate TMS delivers. With this state-of-the-art solution, you can enjoy the benefits of lower transportation costs, tighter control, improved effectiveness, and enhanced visibility faster than you can say, "TMS with Mojo".

The MercuryGate TMS delivers a solution that creates optimized load plans and ensures the proper carrier is selected for each move. The system combines mode and rate optimization with route optimization to ensure that transportation costs are minimized. Throw in embedded analytics that enable robust carrier metrics and scorecards to feed back into the selection process and you not only reduce costs but also improve carrier performance.

The MercuryGate TMS delivers a solution that plans and executes freight using any mode. From small parcel shipments to multi-container ocean moves, you'll be able to use a single TMS across your enterprise to maximize 100% of your transportation spend. Large volumes of small packages can be planned, shipped, tracked and settled using the same robust TMS you use for all your other shipments.

The MercuryGate TMS delivers the way you want it to. Transportation processes differ from company to company and may change over time, but the MercuryGate TMS adapts. Using configurable workflows,

documents and user interfaces, your employees will think we developed the system just for them. And, you can access it with any browser, deployed as software-as-a-service or hosted on your own servers.

The MercuryGate TMS delivers easy integration to carriers, vendors and customers, freight forwarders, customs brokers, etc. Multiple real-time connection options allow every stakeholder to select the method best suited for them. EDI isn't their only option either. Interactive emails and web portals are also very useful ways to view and add information directly into the system. No matter how you choose to connect, the MercuryGate TMS delivers.

- **True Cloud Computing to Optimize, Rate, Execute, Track and Settle**
- **Any Mode (Parcel, Air Freight, LTL, TL, Intermodal, Rail, Ocean)**
- **Instant Global Access By Web Portals & Smart Phones (iPhone, Android, & Blackberry)**
- **Advanced Optimization & Decision Support**
- **Any Geography, Domestic or International**
- **Integrated Settlement, Reporting and Advanced Analytics**
- **Easy to Use & Easy to Integrate with Existing Enterprise Applications**



MercuryGate TMS with Mojo for Freight Planning

The TMS with Mojo starts with the data you use every day to move freight. Actual rates, approved carriers, specified capacities, transit times, and other available data are 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 moves, continuous move shipments, backhauls, and even pooling scenarios.

Would you like to zone skip some parcel shipments? Or, maybe you want to synchronize 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 quickly solve real transportation problems with real data.

Create plans with any routing option

- Simultaneously optimize inbound & outbound loads across business units, locations & customers
- 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 & pool point hold times
- Vehicle loading method (i.e., reverse stop)
- 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
- Determine the best carrier and mode (ground, parcel, air, ocean, rail, & intermodal)
- Pull current data and rates from the TMS
- Determine actual costs using

- Multiple accessorial & live fuel index
- LTL rates from SMC3
- Real mileage determiners (e.g. PC*Miler & MileMaker)
- 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
 - Pivot table for customized analytics
- Save data and results in single file for future use

Run simulations - evaluate impact of network changes

- 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 or pooling locations for improving service and reducing costs
- Rationalize your transportation footprint
- Export results to a spreadsheet to share with others



Mojo Supports complex inbound/outbound/continuous moves

MercuryGate TMS for Executing Loads

The best transportation plan is worthless without a way to execute it. The MercuryGate TMS delivers. You'll rest assured that you've found the best provider at the best rate to carry your load because all carrier information, schedules, rates and route guide criteria are available to help you choose. You can even send out requests for capacity and bid requests to trusted carriers, or post loads to a public bid board when you want to expand your search. The whole process is electronic so you can put an end to all those phone calls and faxes.

The MercuryGate TMS delivers inbound compliance management for your suppliers/vendors. Whether receiving electronic messages or utilizing online portlets, the TMS makes appropriate decisions based on the mix of inbound products to ensure carrier compliance. The MercuryGate TMS also delivers cost allocation of inbound freight to the proper business unit - an area often missing or oversimplified in ERP systems.

The MercuryGate TMS delivers international capabilities, allowing users all over the world to access information using terms and languages familiar to them. Different currencies, number and date formats may also be specified for each business unit, role or location. Documents can be developed to fulfill customs requirements, such as commercial invoices. The MercuryGate TMS also enables you to specify the INCO terms of sale that are relevant to your organization. Directly file Electronic Export Information (EEI) via the Automated Export System (AES) and submit Importer Security Filings (ISF) to comply with 10+2 regulations.

Exchanging information with carriers, vendors and customers has never been easier. Using the MercuryGate TMS, you can continue to use traditional EDI messages. You can also make use of interactive emails and web portals too. The email messages include links and forms that update the TMS "with a single click". The MercuryGate TMS' web portals are windows into specific functional areas of the application so setup is intuitive and they're very easy to use. User entered information immediately updates the TMS, so you're interacting with your partners in real time.

There are no limits to how or where you can ship using the MercuryGate TMS. Use any mode to ship anywhere on the planet. In fact, you could ship to other planets too (we hope someone takes us up on this someday)!

Manage carriers and rates

- Manage contracts and rates for all modes (Parcel, LTL, Truckload, Air Rail Drayage Intermodal and Ocean)
- Setup and maintain detailed routing guides (even by customer)
- Update fuel surcharges and accessorials automatically
- Utilize various mileage engines such as PC*Miler and MileMaker
- Maintain online carrier information such as contacts, insurance, certifications, service areas, and authorities
- Configure communication method (i.e. EDI, email, or web portal) for quotes, tenders, tracking messages, etc.
- Establish templates to allow rapid setup of new carriers

Procure rates from carriers and respond to bids

- Setup bids, identify carriers, desired lanes, etc.
- Create lanes automatically from historical data
- Send email with bid info based on carriers' service areas
- Analyze bid responses to determine winners by lane or overall

Select carriers

- Select optimal carrier regardless of mode (parcel, LTL, truckload, rail, air, ocean, intermodal, drayage, etc.) based on rate, service, or route guide
- Ensure all personnel are selecting the right carrier for the move
- Route via schedules for modes such as air, rail, ocean, etc.
- Identify carriers by service areas or preferred lanes and capacity
- Send capacity and spot quote requests to designated carriers via email or private bid boards
- Post loads on public bid boards (i.e. Internet Truckstop and TransCore's DAT) electronically and remove them once the load is covered
- Interface with FreightFriend to find space with trusted carriers
- Find trucks on private capacity boards or on public boards (i.e. TransCore's 3Sixty)

Manage inbound freight

- Receive ASNs or routing requests from vendors
- Post purchase orders; vendors confirm shipment details and obtain carrier instructions
- Monitor vendor carrier routing compliance through exception reports
- Enable intuitive vendor portals for non-EDI capable suppliers
- Optimize across vendors into multiple facilities to minimize spend
- Establish locations as inbound consolidation points
- Improve carrier capacity utilization and increase trailer pool usage
- Improve private fleet utilization by reducing inbound deadhead
- Provide visibility of inbound moves to the item level
- Collaborate with Purchasing to ensure lowest landed cost

Ship freight

- Manage last minute adjustments to freight
- Track nested items in cartons on pallets in containers
- Tender loads to selected carriers of all modes
- Automate tendering allowing users to click and forget
- Timers tender to carriers in desired sequence
- Exception management alerts users to issues
- Print customized documents such as BOLs, labels, manifests, etc.
- Manage appointments and dock door schedules via the web

Manage Global Logistics

- Communicate directly with Automated Export System (AES) for exports
- File 10+2 data electronically with US Customs and Border Protection
- Convert and normalize multi-currencies for inter-geography shipments (U.S. to Europe, Europe to Asia, etc)
- Print necessary international shipping documents (i.e. invoices)
- View complete itineraries of multi-modal international shipments
- Determine total landed costs accurately (i.e. taxes, & accessorials)
- Localize languages, time zones currencies and date formats for users worldwide

MercuryGate TMS for Tracking, Settlement and Reporting

Let's say you want to know where your order is but you have no idea which carrier has it. Furthermore, it's a small order and probably combined with other orders. If the image of a needle in a haystack comes to mind, we've got great news for you! The MercuryGate TMS uses a "Russian Doll" tracking method to locate your item, no matter how it is shipped. It can be in a case, on a pallet, in a trailer, and part of a multi-trailer load – but you can still quickly obtain the status of the order including the expected arrival date. No more needles and haystacks – just results.

If you currently spot check invoices - or worse yet - check every invoice for accuracy, you're going to be doing backflips when you watch The MercuryGate TMS do that job for you. It automatically checks every invoice against known loads and alerts you to abnormalities. When it finds one, you can spend your time resolving it while the TMS looks for others. We call it 'management by exception'. You can call it your new employee who never takes a break and never goes on vacation.

Every event, transaction and user interaction in your transportation process is stored and is available for analysis by MercuryEdge, the most powerful analytics application designed specifically for transportation data. MercuryEdge has immediate access to every field in the TMS and can also import data from outside sources (e.g. accounting systems). Although common uses are for carrier KPIs and lane analysis, there are really no limits to the ways in which you can mine your data in search for buried treasure.

Track loads

- Grant authorized parties access to updates through EDI, XML, email, web portal, web services, cell phones, etc.
- Access data by any known reference, such as Pro number, Order number & Booking number
- Track all loads across all modes from a single interface
- Provide visibility to tracking information down to the item level
- Alerts users to late or stale shipments
- Permit consignee visibility of inbound freight via web portals
- Assign activities to responsible parties and monitor compliance

Settle loads

- Manage the audit process of invoices from all carriers
- Receive proofs-of-delivery
- Receive carrier invoice and match to load
- Compare rated amount to invoiced amount
- Pay system rated charges without need of carrier invoices
- Identify duplicate invoices
- Alerts users to exceptions
- Resolve disputes and document for reporting
- Assign general ledger codes to charge details
- Optionally integrate to external audit or settlement solutions
- Load unmatched invoices for problem determination
- Integrate with AP & AR for accrual processing, payment, credit limits, etc
- Allocate costs to appropriate business units involved in the move
- Allocate using item quantity, weights, mileage, stops, cube, etc.

Provide transportation intelligence

- Create operational reporting
- Day-to-day shipment management, exception and audit reports
- Leverage tactical reports

- Develop, schedule and automate distribution of strategic reports
- Transportation spend, accrual reports, missed opportunities, dispatcher key performance indicators, (KPIs), and Carrier KPIs
- Transportation spend (by location, division, or any measurable entity), lane analysis, capacity analysis and what-if scenarios

Implementation Flexibility

- Implement as a hosted service (SaaS) or site deployed software
- Available smart phone interface
- Adapt workflow as processes change—they will change
- Set up and control complex shipment processes
- Implement recognized best practices across the organization
- Easily integrate with other applications (e.g. ERP and WMS)

