TRANSPORTATION
THE RIGHT SOLUTION FOR COMPLEX
LOGISTICS NETWORKS

Manhattan Active™ Supply Chain
ACTIVE, OPTIMIZED TRANSPORTATION MANAGEMENT

Logistics complexities and service-level expectations have increased dramatically in today’s world. Supply chains must be more nimble and more frugal than ever before. With port closures, increased supplier and product demands, natural disasters, and other challenges, supply chain failures are everyday news that can wreak havoc on both brand image and the bottom line.

As risk and volatility escalate, and global transportation options continue to evolve, a sophisticated transportation management solution is no longer an option—it’s a necessity. With advancements in technology, capability, and deployment methods, companies of all sizes that span all industries and geographies can quickly benefit from the value of active, optimized transportation management.

Manhattan’s Transportation solutions offer end-to-end business process support for all transportation functions—across all modes and the entire logistics network—for private fleet as well as common carrier management. From strategic analysis, procurement, and operational planning to execution, visibility, and freight payment and claims, our comprehensive solution helps reduce transportation costs, improve service levels, automate processes, streamline execution, and lower operational risk.

Recognized as a leader in usability and user experience, our solution simplifies even the most complex logistics operations, giving users the visibility to manage by exception.

With our Transportation suite, you can:

– Reduce transportation and logistics costs
– Improve service levels and visibility
– Automate and standardize processes across logistics functions
– Lower administrative costs
– Enable adaptability to changing business processes and requirements
Today’s global supply chains are in constant flux. So an optimally configured transportation solution today isn’t necessarily the optimal transportation solution for tomorrow.

To stay ahead, transportation professionals need a solution that can “think” strategically as well as execute optimally, ensuring the transportation network is always operating at the lowest cost and highest service levels. With Transportation Modeling, you can:

– Find innovative savings opportunities proactively
– Make the best transportation policy decisions
– Measure the service and cost impact of various options
– Reduce costs
– Improve service levels
– Optimize the network continuously

Transportation Modeling empowers you to challenge assumptions and test new ideas on transportation policies, while simultaneously seeing the impact on operations. Logistics professionals can run what-if scenarios, propose network configuration changes, test different routing options, and see the effect that different constraints and paths will have on operations.

Transportation Modeling offers proprietary algorithms and scenario-planning tools that remove complexity while providing great flexibility. With sophisticated simulations that use historic and forecasted data, the solution validates and optimizes what-if scenarios.

Responding to volatility and implementing change becomes a task as common as tendering freight, with easily justified decisions and minimal impact to the business. Transportation Modeling enables transportation planners to step out of the day-to-day mayhem of troubleshooting problems and into the realm of strategic and tactical planning. The result is optimal execution today and tomorrow.

“We use Manhattan’s modeling tool every day to help with our evolving network. Empowering our internal resources to do this type of analysis has resulted in a 25 percent reduction in our consulting spend. We’ve also sped up the time it takes to project the impact, from a cost and operational efficiency standpoint, to our store network based upon its operational needs.”

Papa John’s
Companies experience a 5–10 percent reduction in miles and 2–5 percent better trailer utilization with Transportation Modeling.
TRANSPORTATION PROCUREMENT

BE PREPARED: CHANGES AHEAD
Selecting the right carriers for your business has a direct impact on profitability and customer satisfaction. But with the dynamic nature of supply chains, the best combination of carriers for today may be different tomorrow. Manhattan’s Transportation Procurement allows you to determine the ideal combination of carriers, and balance price against other factors, such as capacity, service, and quality.

Dynamic supply chains require a powerful and reliable solution that will streamline the sourcing process, and that can respond to changes, such as:

- New vendors, DCs, stores, and customers
- Customer demands and service requirements
- Varying shipment volumes
- Carrier mergers and acquisitions
- New regulations
- Contract expiration
- Fuel prices

Transportation costs are the largest element of total logistics costs, so transportation professionals must have clear visibility of transportation spend. The ability to evaluate cost, service, and other factors when selecting carriers is vital, especially since the best carrier isn’t always the least expensive one. And shippers simply can’t afford to run operations with stale rates. Transportation Procurement provides the power to respond quickly to change while minimizing costs.

SOLUTION COMPONENTS
Manhattan’s Transportation suite provides a single, comprehensive logistics solution set designed to support the entirety of an organization’s shipping needs, regardless of mode, geography, or channel and includes Modeling; Procurement; Transportation Planning and Execution; Fleet Management; Freight Audit, Payment and Claims; TMS Mobile; and Carrier Management.
**BETTER VISIBILITY, OPTIMAL RESULTS**

Widely recognized as one of the most powerful logistics procurement systems available for managing transportation bids and contract sourcing, our Transportation Procurement solution automates best practices and standardizes the entire bid process, from RFP to final contract. With Transportation Procurement, your team can:

- Standardize and simplify the bid collection and optimization process
- Improve carrier communication and collaboration
- Leverage historic and forecast data to better prepare carriers for bidding
- Benchmark and track rates and service over time
- Determine multiple awarding scenarios based on cost, service, and other rules
- Understand the true cost impact of sourcing decisions
- Improve spend visibility
- Increase accountability
- Create a repeatable and automated bid and award process

By optimizing the strategic sourcing process across modes, Transportation Procurement lets you match your lanes and demand with carrier offerings to ensure you contract the best rates and capacity available.

**Features + Functions**

- Automate contract management, and reduce transportation costs for all modes of transportation
- Allow alternative pricing using ad hoc or prescribed bundles
- Evaluate bid responses using benchmark data
- Optimize contract award combinations with what-if scenario management
- Execute incremental (mini) bids quickly to secure capacity outside existing contracts due to dynamic network changes
- Generate and activate awards seamlessly within the solution
TRANSPORTATION PLANNING AND EXECUTION

Optimize and execute inbound, outbound, and intercompany shipments in real time, whether domestic or international, using Transportation Planning and Execution. No matter how complex your network, you can secure capacity for shipments across all modes and locations, whether freight forwarders, parcel providers, common carriers, or dedicated and private fleets.

Features + Functions
– Consolidate orders to build efficient shipments
– Optimize all modes of transportation, including ocean, rail, intermodal, truck, air, and parcel-based on rates, asset availability, and other business constraints
– Execute dynamic or static routing requirements
– Manage continuous moves, backhauls, and cross-docks
– Support carrier and supplier compliance programs and guidelines
– Enhance trading partner collaboration and communication
– Accommodate visibility, alerting, tracking, and tracing needs
– Manage internal and external appointment scheduling
– Provide granular visibility and task-based control of yard operations

FLEET MANAGEMENT

Manage dedicated and private fleet resources by automatically recommending routes, drivers, and assets with Fleet Management. You can minimize miles while optimizing hours of service, availability, compliance, seniority, and service needs.

Features + Functions
– Optimize all assets, including drivers, tractors, and trailers
– Balance loads across shifts and resources
– Provide driver support with dispatch and kiosk support
– Support long-haul and store delivery routing needs
– Ensure compliance with federal regulations
– Provide proof-of-delivery visibility
FREIGHT AUDIT, PAYMENT, AND CLAIMS

Modernize and streamline antiquated freight settlement processes by managing invoices by exception, reducing excessive and incorrect charges, and filing claims quickly and efficiently.

Features + Functions
- Institute match or auto-payment processes with carriers
- Support audit on accessorial and linehaul charges via defined tolerances
- Enable payment to financial systems
- Manage invoicing and reconciliation through a carrier portal or electronic communication
- Support claims management and settlement
- Allocate freight costs to the SKU level

CARRIER MANAGEMENT

Used by more than half of the top 100 North American motor carriers to manage their fleet operations, Manhattan’s Carrier Management offers dispatch optimization and automation, fuel optimization and profitability analysis, as well as bid analysis and response tools.

Features + Functions
- Target the most profitable freight to keep network in balance and maximize yield
- Improve miles per truck per day and revenue per truck per day
- Reduce driver turnover and increase home-time and miles
- Boost on-time pickup and delivery, customer service, and profitability
- Comply with federal regulations including Hours of Service

Our Transportation solutions also allow you to extend your supply chain by enabling collaboration and connectivity with all trading partners including suppliers, carriers, 3PLs, customers, and stores. With Manhattan Extended Enterprise, upstream and downstream partners benefit from enhanced order management, visibility and event management capabilities. These solutions are featured on pages 26 – 31.

TMS MOBILE

Manhattan Transportation offers collaboration, connectivity, and real-time visibility with service providers, all via an intuitive mobile app.

TMS Mobile enables an array of business processes, including carrier registration, tender/accept, driver assignment, photo and signature capture, and real-time in-transit visibility. Using the app, shippers can interface directly and more effectively with service providers, and access additional capacity when needed.

Tapping into the ubiquity of smartphones, TMS Mobile gives small and medium-sized contract carriers advanced visibility and communication. It levels the playing field for small carriers and owner operators, allowing them to meet compliance requirements with no additional cost. And it provides drivers the ability to communicate directly with TMS from the cab of a truck.

The result? Improved service, increased carrier compliance, and better reporting.
MANHATTAN ACTIVE™ SOLUTIONS

ALWAYS CURRENT
SEAMLESSLY INTERCONNECTED
CONTINUOUSLY ADAPTIVE

EVENT MANAGEMENT / VISIBILITY / INTELLIGENCE
MANHATTAN ACTIVE INTEGRATION PLATFORM