

# Logix7.0<sup>®</sup> Transportation Optimization



**Logistix Solutions**

*On-Demand Solutions for Logistics Professionals*

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Logix7.0<sup>®</sup> Transportation Optimization is an on-demand software application for load consolidation, multi-stop freight management and routing and scheduling that takes into account all your order and vehicle information, DOT regulations, and customer service level requirements, for:

- ✚ *Static (milk run) and Daily (dynamic) Routing*
- ✚ *LTL Shipment Consolidation*
- ✚ *Over-the-Road Carrier Load Optimization*
- ✚ *Mode Selection*
- ✚ *Backhaul Optimization*
- ✚ *Driver/Vehicle Scheduling.*

Logix uses powerful optimization algorithms to generate vehicle routes and schedules resulting in least distance and cost. Interfaces with Microsoft MapPoint and Google Maps allow for superior mapping, geocoding, and path finding capabilities.

Realize cost savings of 5% to 35% or more with improved customer service and lower carbon and GHG emissions.

**You only pay for what you use**

## Key Solutions and Features

- ◆ **Private fleet and multi-stop freight optimization** handles constraints including DOT hours of service regulations, planning horizons of days or weeks, customer time windows, zone routing requirements, vehicle capacities and other restrictions.
- ◆ **Driver and Vehicle scheduling** generates optimal schedules to minimize the number of resources required and maximize utilization of drivers, tractors, trailers and other resources.
- ◆ **Optimizes inbound, outbound and backhaul scenarios, static routes and dynamic daily routes.** Existing routes and schedules can be imported 'as is', and calculated to produce a baseline solution for comparison.
- ◆ Microsoft<sup>®</sup> MapPoint<sup>®</sup> and Google<sup>®</sup> Maps.
- ◆ Static or Daily routing, continuous moves, load consolidation and other complex routing solutions
- ◆ Actual road distances and times or highly accurate point-to-point estimates
- ◆ Route maps, driving directions, Gantt charts, summary and detailed reports and Excel export capability.
- ◆ Excel<sup>®</sup> file import wizard interfaces with user systems.
- ◆ User interface designed for ease-of-use and short learning curve
- ◆ Quick and easy implementation.
- ◆ Training and consulting services on-line or on-site.

### Supply Chain Planning, Analysis and Optimization Solutions Instantly Available

Logistix Solutions offers award-winning, on-demand Supply Chain Planning and Execution applications at a revolutionary value for rapid ROI and benefit realization.

All our software products are available On-Demand or by traditional Enterprise License and can be instantly downloaded from [www.logistixsolutions.com](http://www.logistixsolutions.com).

Small and medium sized companies can access the same tools as those used by the Fortune 500 with an immediate and significant return on investment. Risks are eliminated and start-up requirements are minimal.

- You realize savings from day one. No up-front fees or implementation costs.
- Full-featured applications to solve even your most complex supply chain problems.
- Your data is secure and password protected on your computer.



Download the free Trial Version from  
[www.logistixsolutions.com](http://www.logistixsolutions.com)

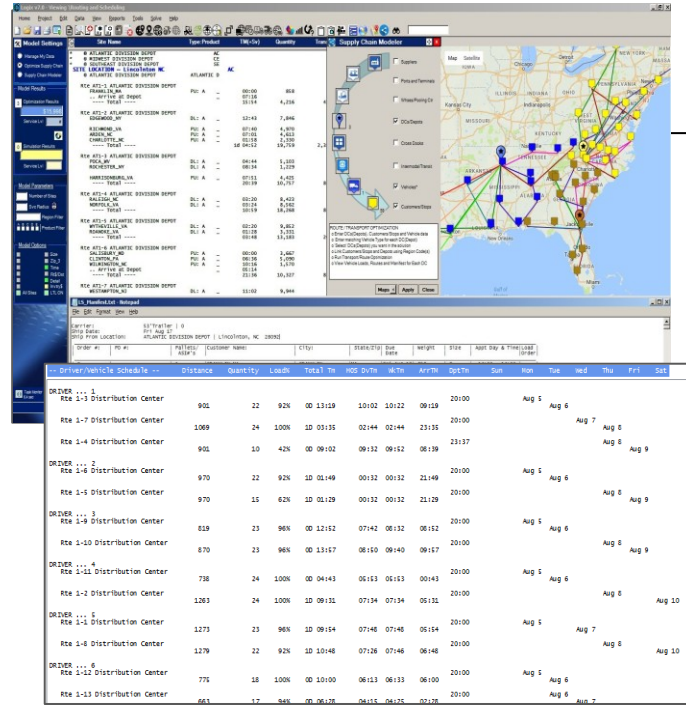
# Logix7.0<sup>®</sup> – Transportation Optimization

Logix Transportation Optimization optimizes routes and schedules for fleet applications typically reducing costs by as much as 15% or more. Logix uniquely incorporates robust routing and scheduling technology and algorithms as part of its strategic planning capabilities for transportation planning and distribution network optimization.

For private fleet applications, route miles, driver and vehicle capacity constraints, split and consolidated load considerations, backhauls and other detailed delivery information are critical elements of the strategic distribution planning process. The resulting routes and schedules take into account DOT Hours of Service regulations, customer time windows, non-driving and driving time costs, equipment requirements and many other constraints.

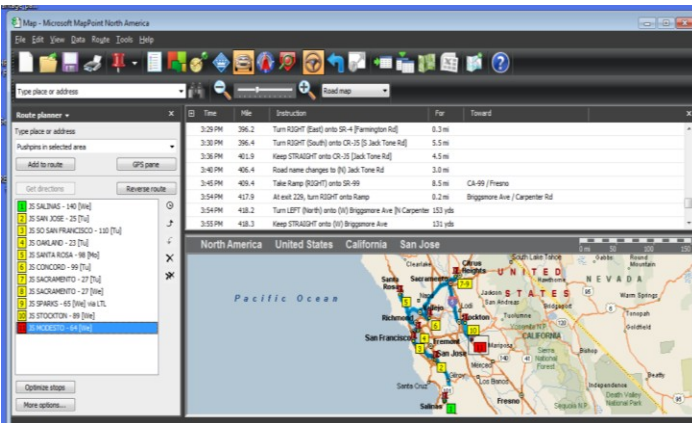
Companies that operate their own fleet of vehicles and deliver products and/or services to individual stores, markets and customers (i.e., beverage, food and grocery distributors, propane and bottled gas delivery) and logistics services providers should use the Transportation Optimization Module to:

- ◆ Increase asset utilization
  - Reduce the number of routes, vehicles, resources and total transportation costs
- ◆ Improve on-time delivery
  - Better scheduling based on customer requirements
  - Reduce penalties and late charges
- ◆ Produce a Rapid Return on Investment
  - Operating costs reduced by 5% to 35%
  - Start-up risks and requirements minimized



Logix<sup>®</sup> Routing and Scheduling using Google<sup>®</sup> Maps

- ◆ Better Planning
  - Respond more quickly to bid proposals
  - Quick, accurate estimates for multiple scenarios
- ◆ No upfront investment
  - Pay-as-you-go usage of the software
- ◆ Affordable software for ALL
  - Small and medium sized companies can now streamline their operations using the same tools typically used by large corporations



MapPoint<sup>®</sup> maps, turn-by-turn directions and distance calculations can also be displayed using Logix export wizard and separately licensed MapPoint from Microsoft<sup>®</sup> Corp.

GPS tracking, construction delays and other features are options of MapPoint and availability is subject to Microsoft's licensing terms.

\* MapPoint<sup>®</sup> is a product of MicroSoft<sup>®</sup> Corp. and is a separately licensed software product.

## LOGISTIX SOLUTIONS – Supply Chain Solutions for Logistics Professionals

Logistix Solutions was established in 2006 as a software and consulting company to provide premier technology solutions and in-depth industry knowledge for logistics professionals. We offer award-winning, on-demand Supply Chain Planning and Execution applications at a revolutionary value for rapid ROI and benefit realization.

- ❖ *Logix Supply Chain Optimization and Distribution Network Design – Using the latest in distribution analysis and optimization technology, Logix ILP/NLP algorithms determine:*
  - *Optimum number and location of distribution facilities cross dock, intermodal and warehouse facilities, transport modes and product flows that reduce cost and improve service requirements.*
  - *Complex multi-tier distribution models and network solutions, critical supply and distribution lanes and inventory levels for optimum supply chain performance.*
  - *Optimum cost and/or service as well as intangible or less quantifiable factors such as supply chain flexibility, sustainability, redundancy and ability to grow and accommodate change.*
  
- ❖ *Logix Transportation Optimization – planning and daily execution application taking into account all order and vehicle information, DOT regulations, and customer service level requirements, for:*
  - *Vehicle routing and scheduling*
  - *Shipment consolidation*
  - *Carrier mode selection*
  - *Backhaul optimization*
  - *Mixed Pickup and Delivery*
  - *One-Way or Round Trip Routing*
  
- ❖ *Support, training and consulting services provided by experience supply chain practitioners and logistics software experts.*

*Based on extensive development with Fortune 1000 companies, Logistix Solutions provides full-featured, on-demand supply chain solutions and consulting services for retailers, manufacturers, third party logistics providers, consultants, food and beverage and other distributors to support strategic planning and logistics execution requirements.*

*For more information on the Logistix Solutions suite of products, visit our website at [www.LogistixSolutions.com](http://www.LogistixSolutions.com) or contact Logistix Solutions at 571.426.5951 or e-mail [info@LogistixSolutions.com](mailto:info@LogistixSolutions.com).*