

Paradox Routing Tool (PART)

Vehicle routing and scheduling simplified

With the mission to provide customers with contemporary Logistics and Supply Chain Management software solutions that add a multiple of measurable value over the cost, Paradox Software Consulting offers a revolutionary approach to logistics software. Paradox' offering includes a tool kit available in the traditional licensing model as well as in the On-Demand or Software-As-A-Service (SaaS) model.

PART is a pay-as-you-go network design, shipment analysis, and routing and scheduling tool that enables businesses realize immediate savings from day one at a fraction of the cost.

Operating costs are reduced by 5 to 15%. Risks are eliminated and start up requirements are minimal. PART affords small fleet operators the same tools as those used by the large operators and provides an immediate and significant return on investment.

— *PART has had a dramatic effect on our productivity in engineering solutions for both external customers and internally.*

In the past it would take us several days or weeks to provide a solution but with PART it has been reduced to hours. The IT support and response time have been absolutely incredible. Never have I been put on hold and I always got a timely call back and a follow-up call to ensure the issue has been resolved. Lastly, as an everyday user I could not have asked for a more user friendly product.

— *Kenneth Hartman,
Dedicated Sales and Eng.
Covenant Transport*

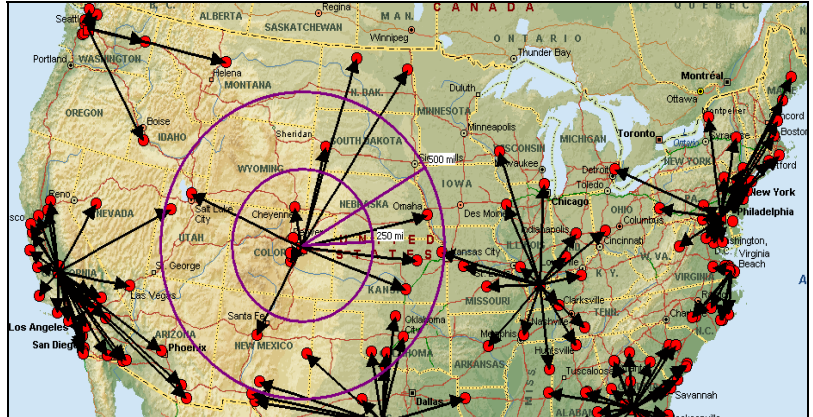


Key Features

- ◆ Distribution network design facilitated through center of gravity modeling that can determine the number and locations of distribution facilities based on the distribution of supply and demand and various other parameters.
- ◆ Private fleet and multi-stop truckload routing handle constraints including DOT hours of service regulations, planning horizons of days or weeks, multiple customer time windows, zone routing requirements, and several other restrictions.
- ◆ Shipment consolidation and carrier mode selection capability using private fleet closed loop and multi-stop truckload routing in the same project with the ability to segregate straight truckloads for further continuous move optimization.
- ◆ Driver and Vehicle scheduling generate optimal schedules to minimize the number of resources required and maximize utilization of transportation resources.
- ◆ Capable of benchmarking an existing routing and scheduling scenario. Existing routes and schedules can be imported 'as is,' and calculated to produce the benchmark solution.
- ◆ Mapping functionality is provided through interfaces with Microsoft MapPoint, and PC*Miler. Multiple options are available for Distance and time calculations including proprietary engine, MapPoint, and PC*Miler.
- ◆ Can accommodate any flat file import and export requirements to facilitate interfacing with client's systems.
- ◆ User interface designed for ease-of-use and short learning curve. Presentation tools include reports, maps, and Gantt charts.
- ◆ Quick and easy implementation. Understanding of and working with PART requires very little training. Model setup takes only few minutes.

Business Benefits

- ◆ Mode Selection
 - Determine carrier mode by evaluating consolidation opportunities
- ◆ Increase asset utilization
 - Reduce the number of routes, resources, and total spending
- ◆ Increase on-time delivery with better scheduling
 - Reduce detention charges
- ◆ Quick Return on Investment
 - Operating costs reduced by 5 to 15%, risks eliminated, and start-up requirements minimized
- ◆ Plan faster
 - Respond quicker to bid proposals
 - Free planners for more value-added activities
 - Planners start using the tool after only 1.5 days of training
- ◆ No upfront investment
 - Pay-as-you-go usage of the software
- ◆ Affordable software for ALL



The screenshot displays the Paradox software interface with three main components:

- Data Table:** A table listing order details with columns for Order Number, De, Custom, Customer Name, City, State, Zip, Zone, Latitude, Longitude, and Dema. It shows multiple orders for 'GARFO PRODUCE' in Louisiana and Tennessee.
- Map:** A Microsoft MapPoint North America map showing a green route connecting various cities in the Eastern and Southern US, including Atlanta, Charlotte, and Raleigh.
- Summary Statistics:** A window showing key performance indicators:

General	
Depots	All
Depots	1 Vehicles 42
Routed Orders	938 Drivers 0
Unrouted Orders	0 Routes 42
Routed Distance	46197.85 Stops 81

Times & Costs		Loads			
	Times	Costs	Delivery	Pickup	Utilization
Driving	1025:35	56823:37	Unit1	938.00	0.00 93.06%
Waiting	136:06	0.00	Unit2	0.00	0.00 0.00%
Service	84:00	0.00	Unit3	0.00	0.00 0.00%
Lay Over	650:00	0.00	Unit4	0.00	0.00 0.00%
Route	1897:41	56823:37			

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