Logix® Demo Presentation

Logistix Solutions®
On-Demand Solutions for Logistics Professionals

Welcome to Logix®

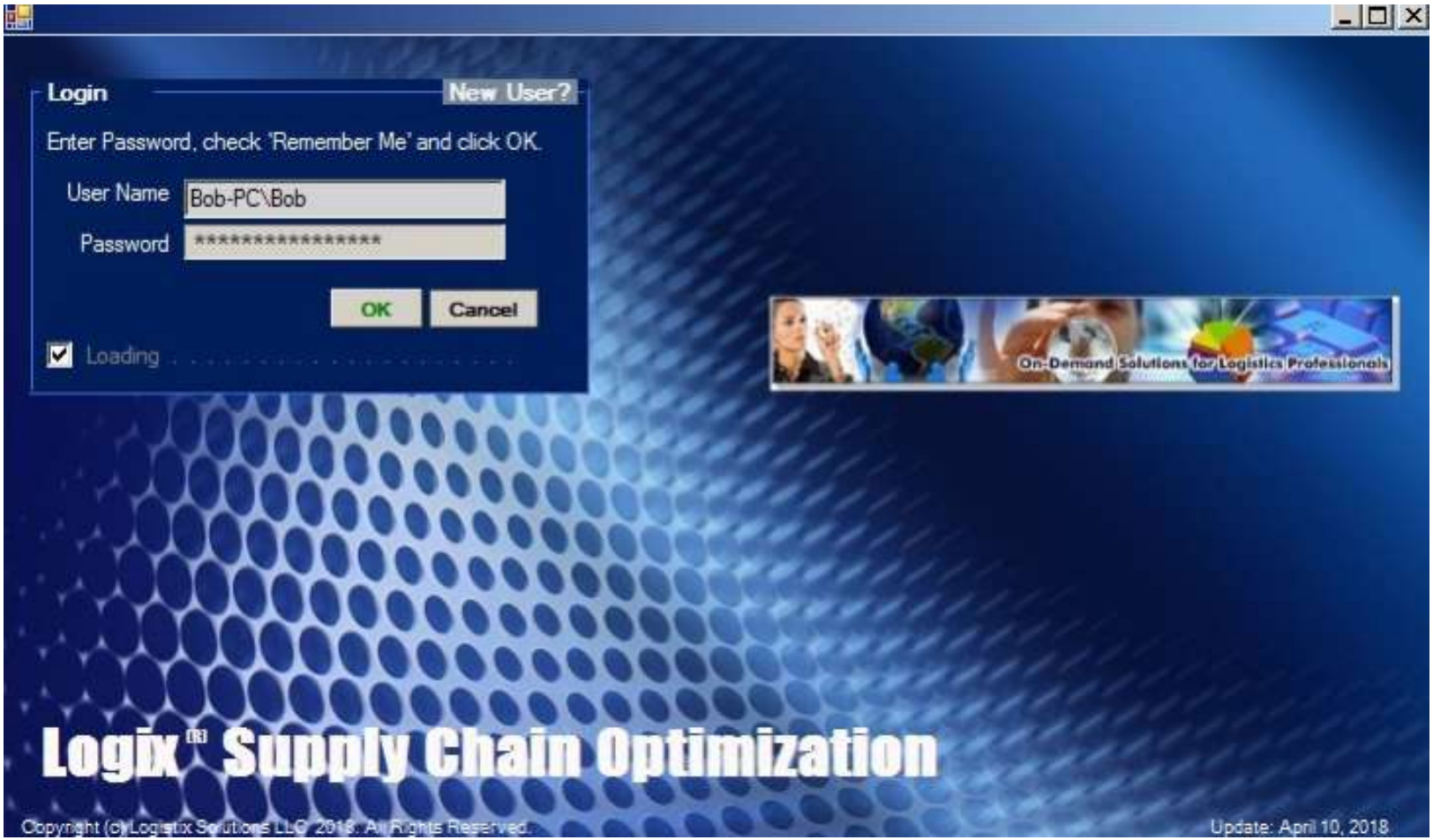
Logix is a full-featured supply chain optimization, site location and distribution network modeling application that you can easily set up to quickly solve even your most complex supply chain problems.

Quick Answers for Questions Like

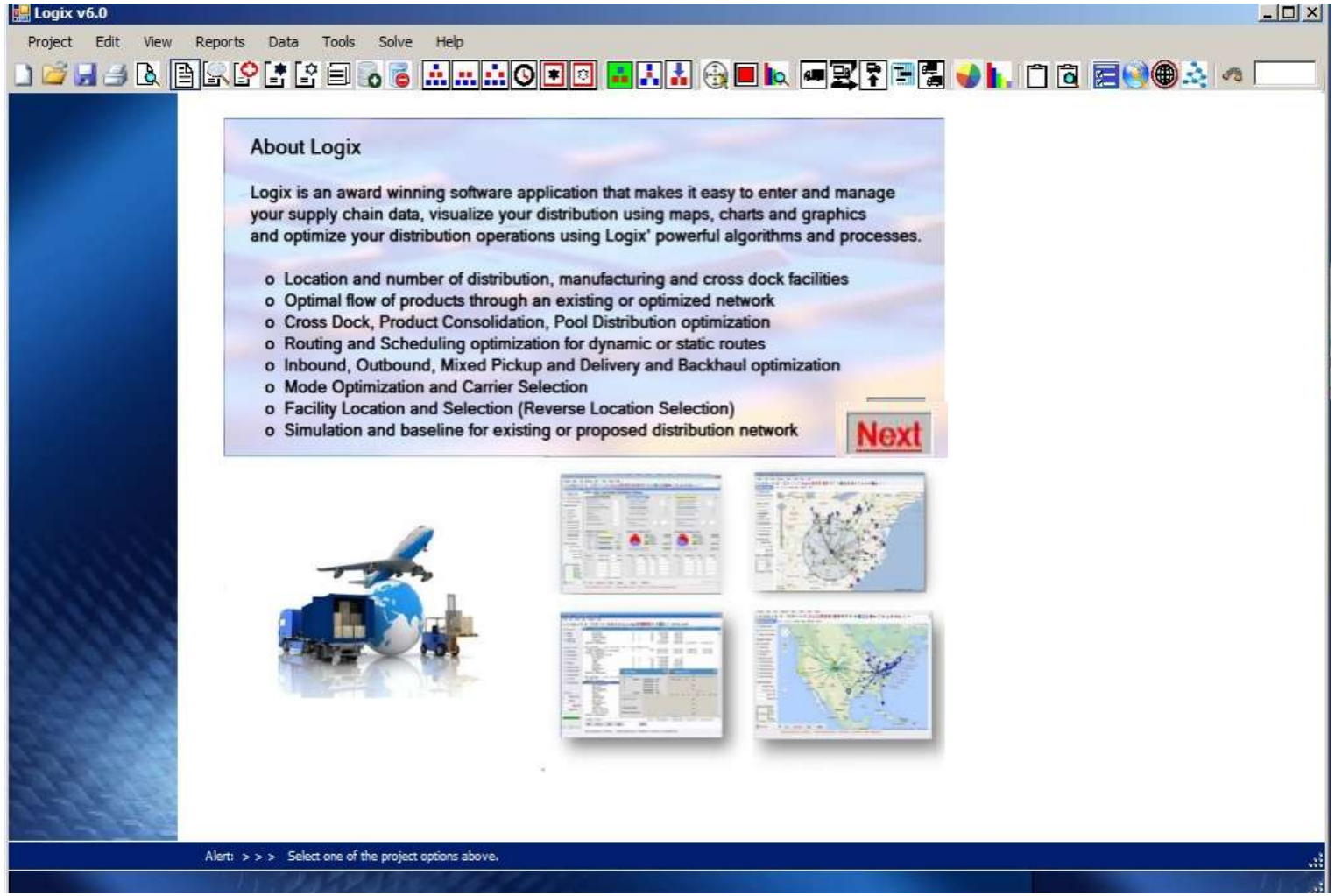
- What is the optimum distribution network to minimize transportation, sourcing, warehousing and inventory costs?
- How should I balance supply chain costs vs lead time and customer service considerations?
- What service areas provide the most efficient distribution from my distribution facilities given capacity constraints?
- Should I use pooling centers and/or cross docks to consolidate shipments and reduce supply chain costs?
- How do I align my distribution network to serve a new customer and meet service time requirements?

Download and Install the Logix Demo from www.logistixsolutions.com

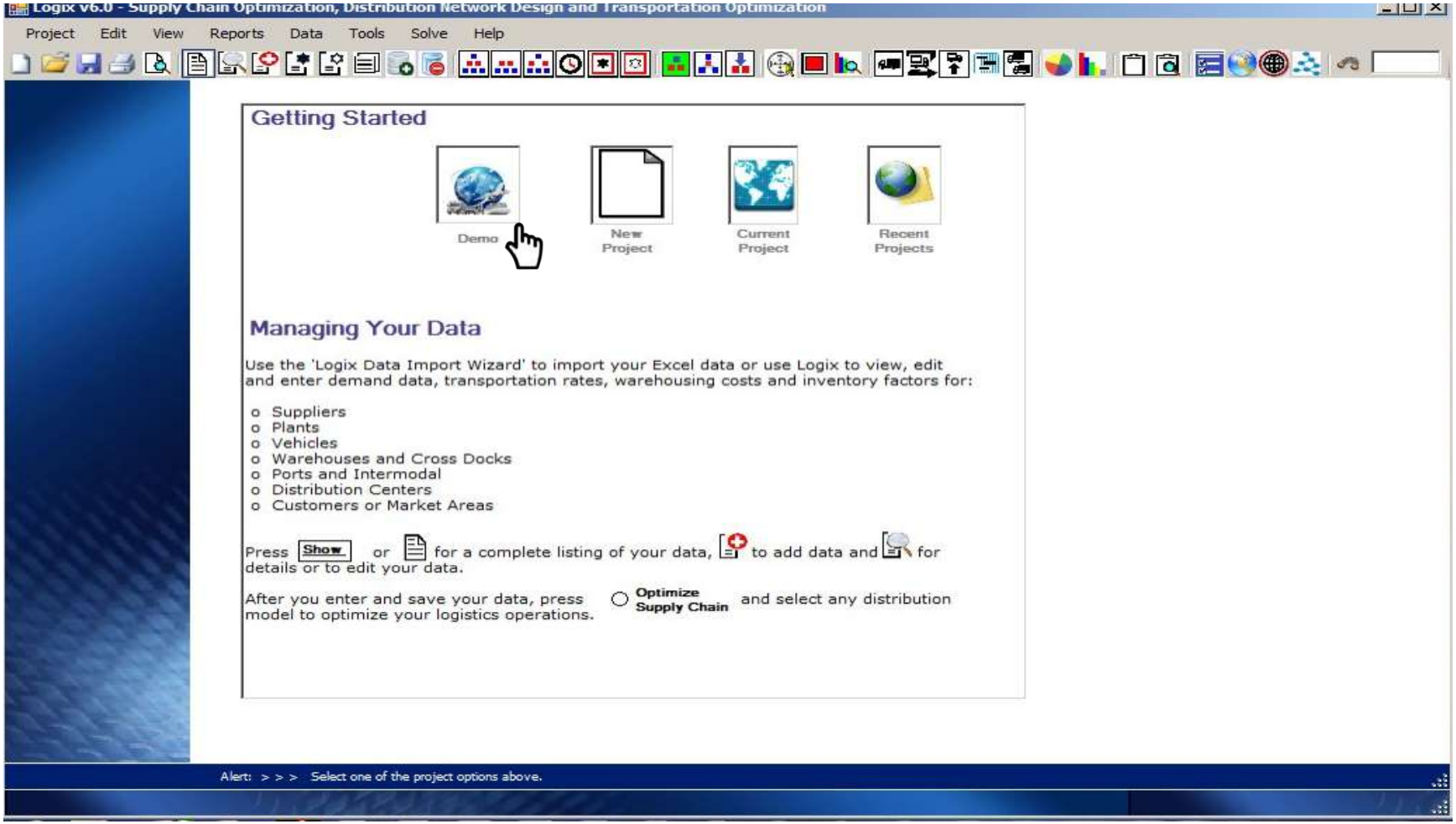
Contact info@logistixsolutions.com for a Password



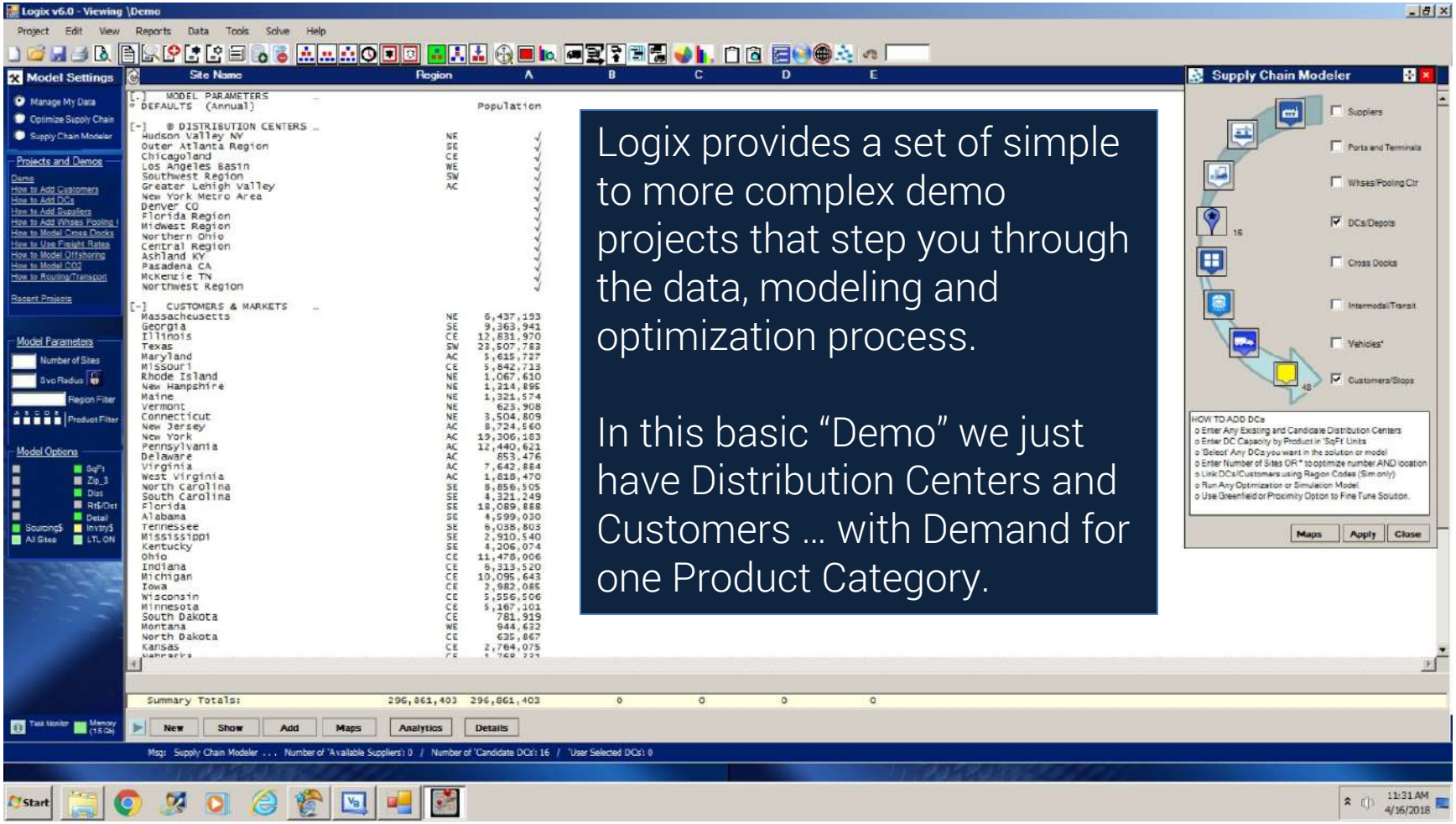
Click “Next” to Get Started



Select the Demo Data Set



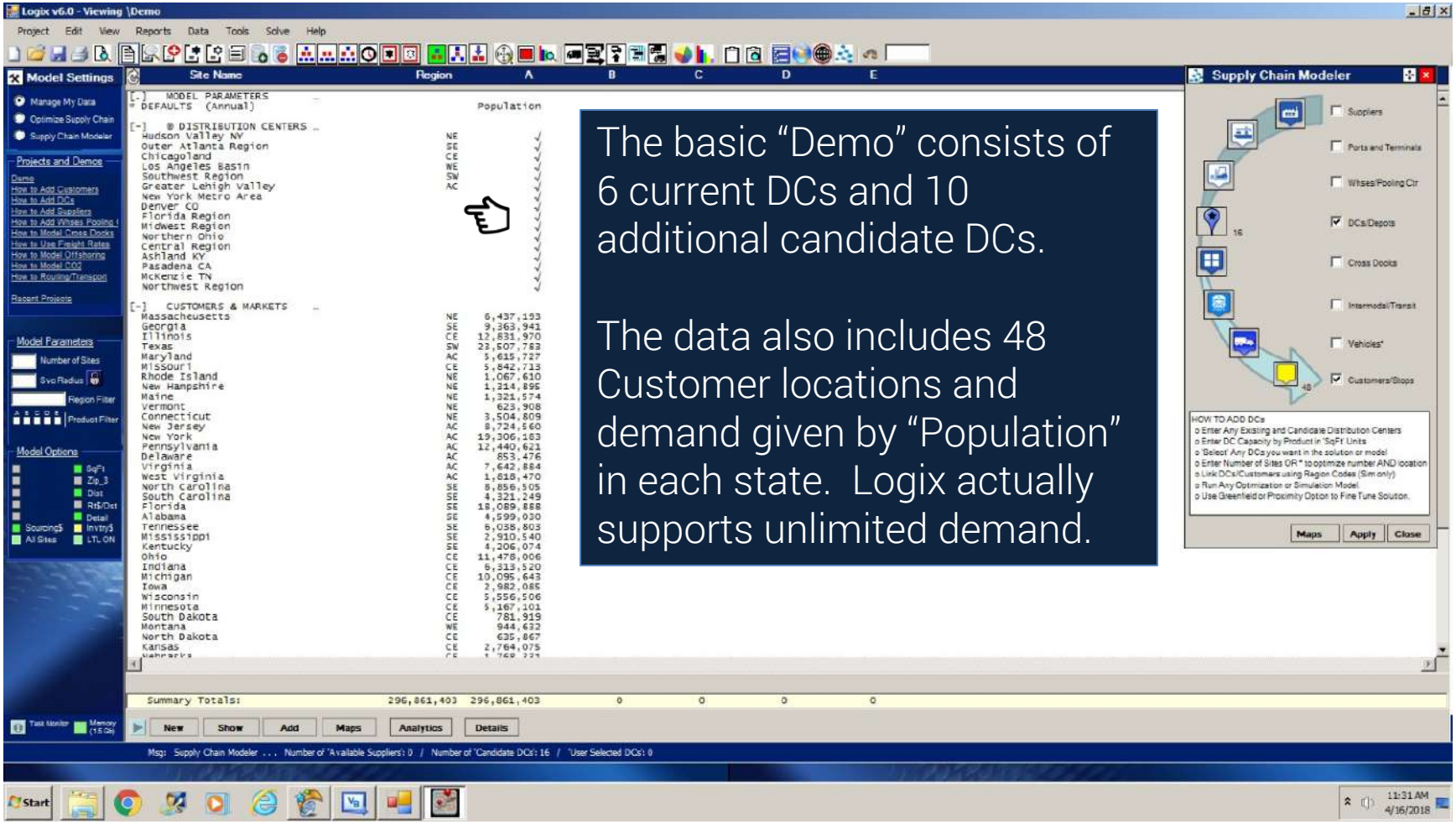
Demo Data at Your Finger Tips



Logix provides a set of simple to more complex demo projects that step you through the data, modeling and optimization process.

In this basic "Demo" we just have Distribution Centers and Customers … with Demand for one Product Category.

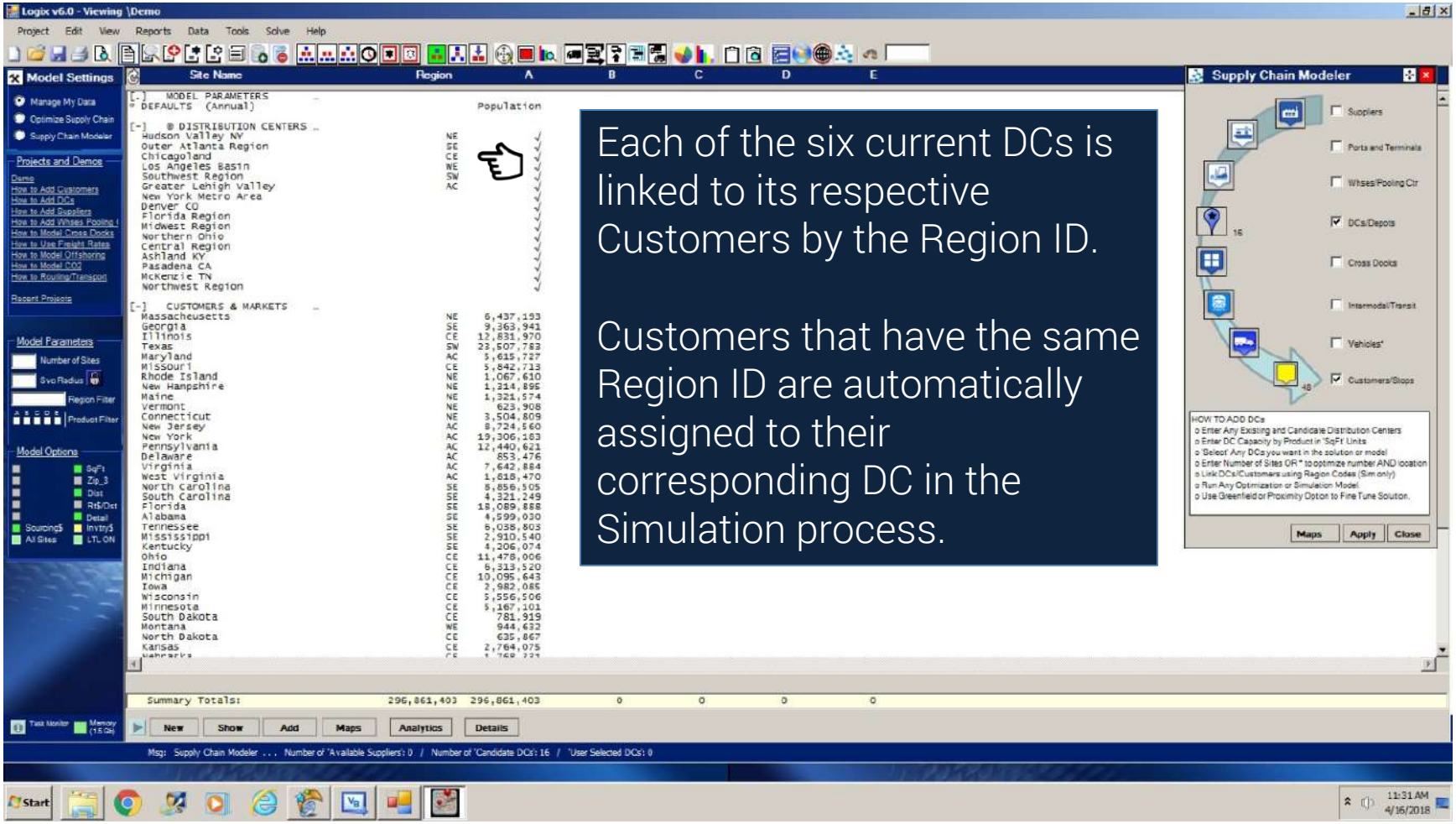
Let's Take a Look at the Data



The basic "Demo" consists of 6 current DCs and 10 additional candidate DCs.

The data also includes 48 Customer locations and demand given by "Population" in each state. Logix actually supports unlimited demand.

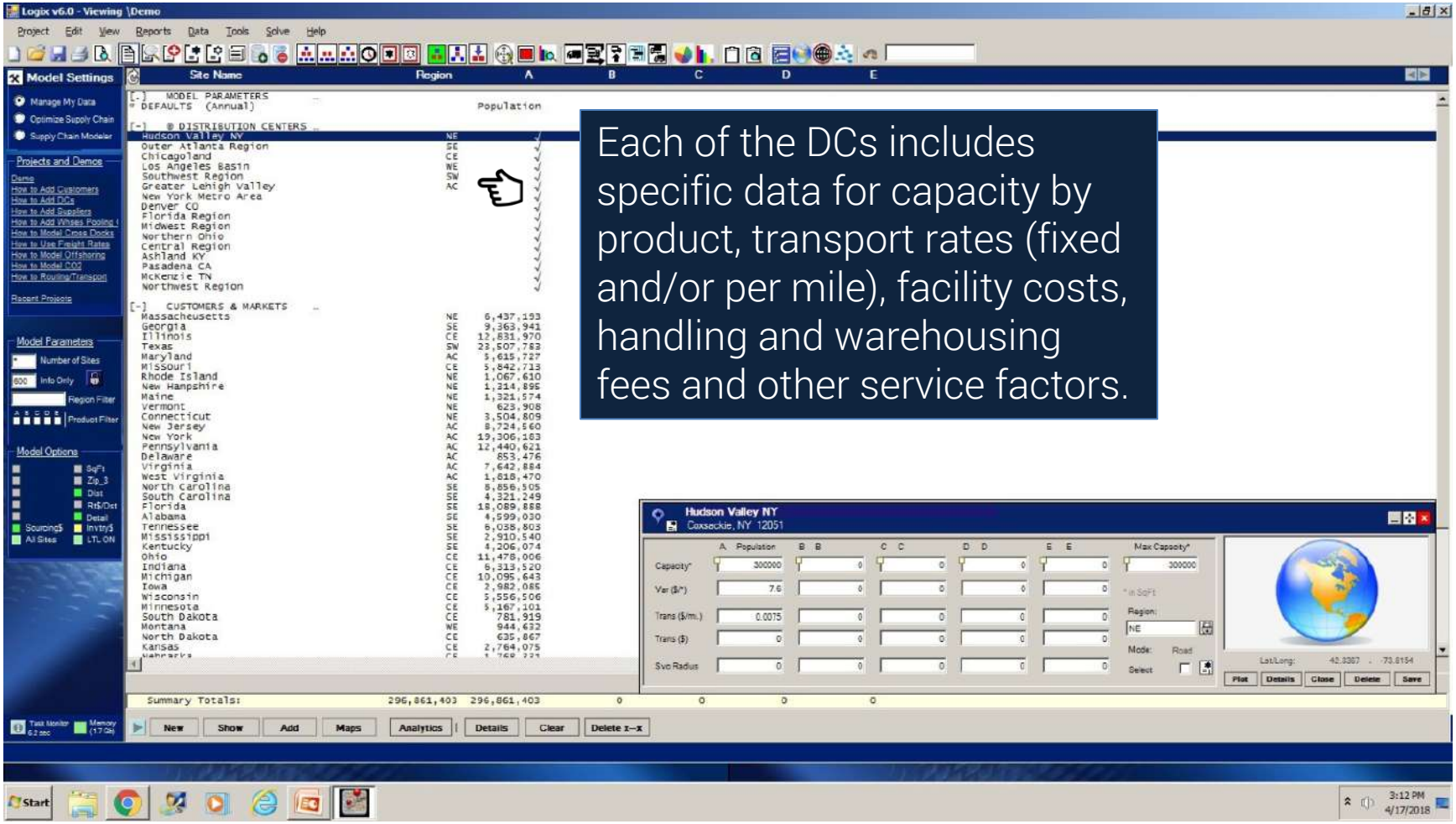
Let's Take a Look at the Data



Each of the six current DCs is linked to its respective Customers by the Region ID.

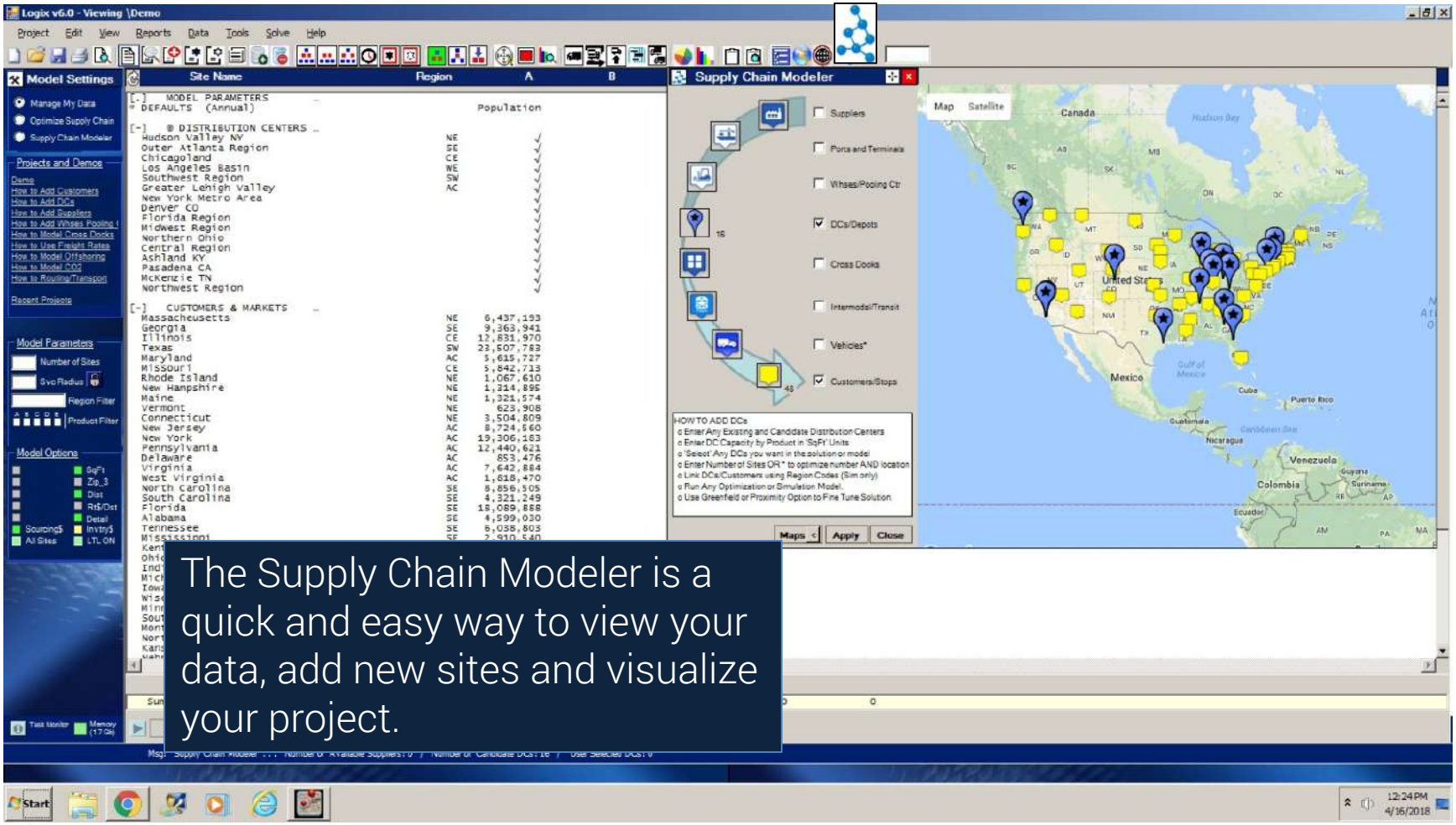
Customers that have the same Region ID are automatically assigned to their corresponding DC in the Simulation process.

Let's Take a Look at the Data



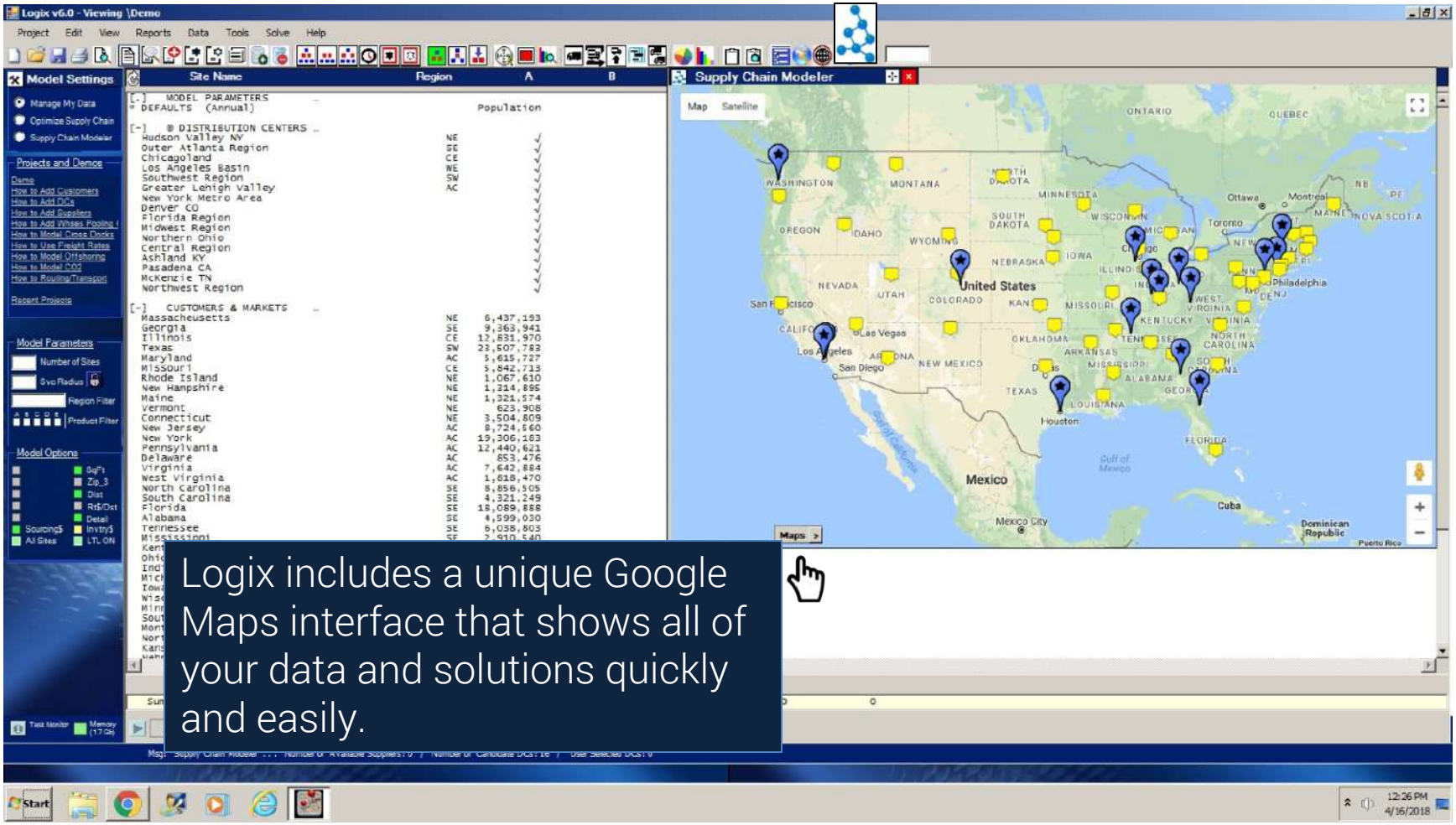
Each of the DCs includes specific data for capacity by product, transport rates (fixed and/or per mile), facility costs, handling and warehousing fees and other service factors.

Supply Chain Modeler – Data and Maps



The Supply Chain Modeler is a quick and easy way to view your data, add new sites and visualize your project.

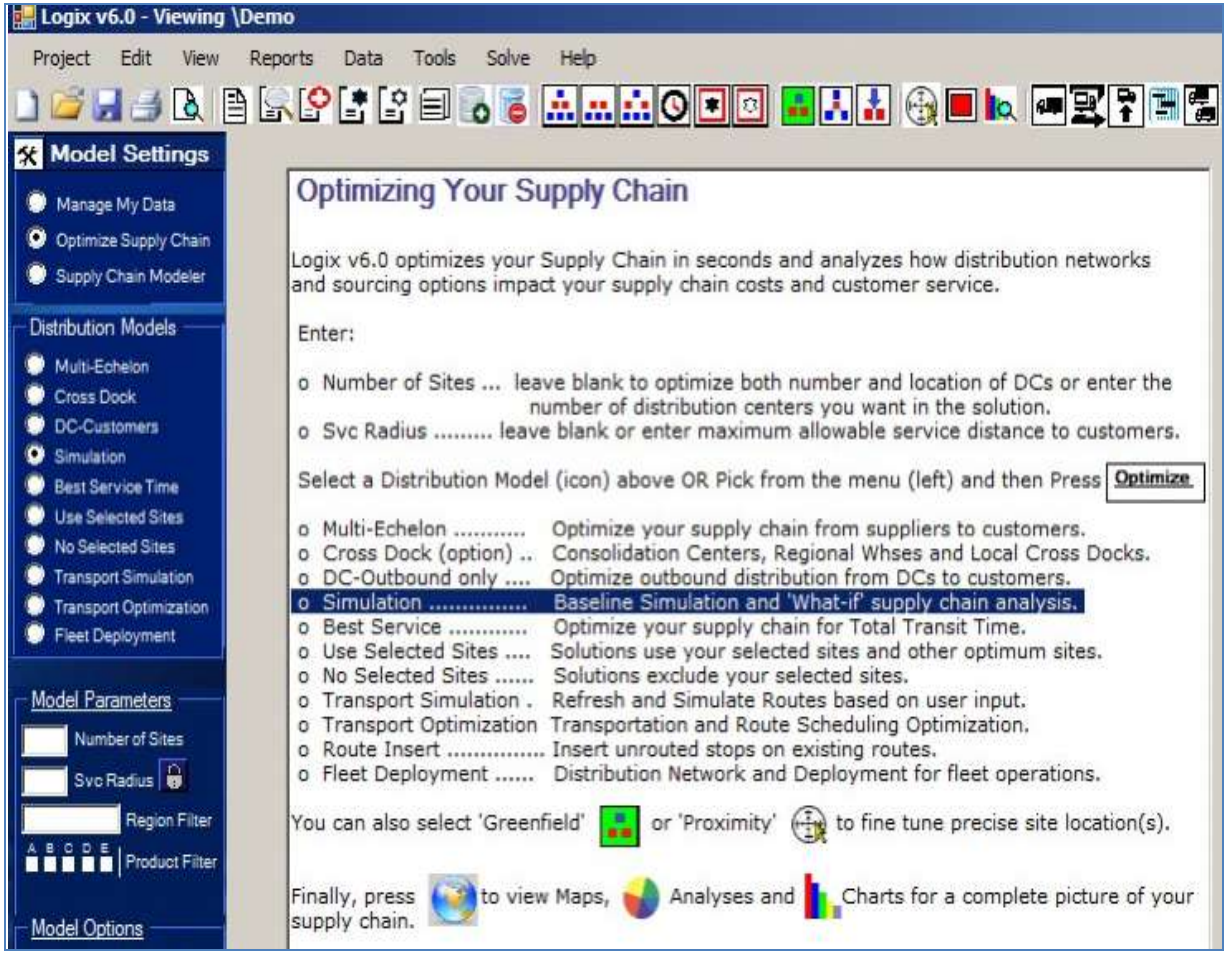
Supply Chain Modeler – Data and Maps



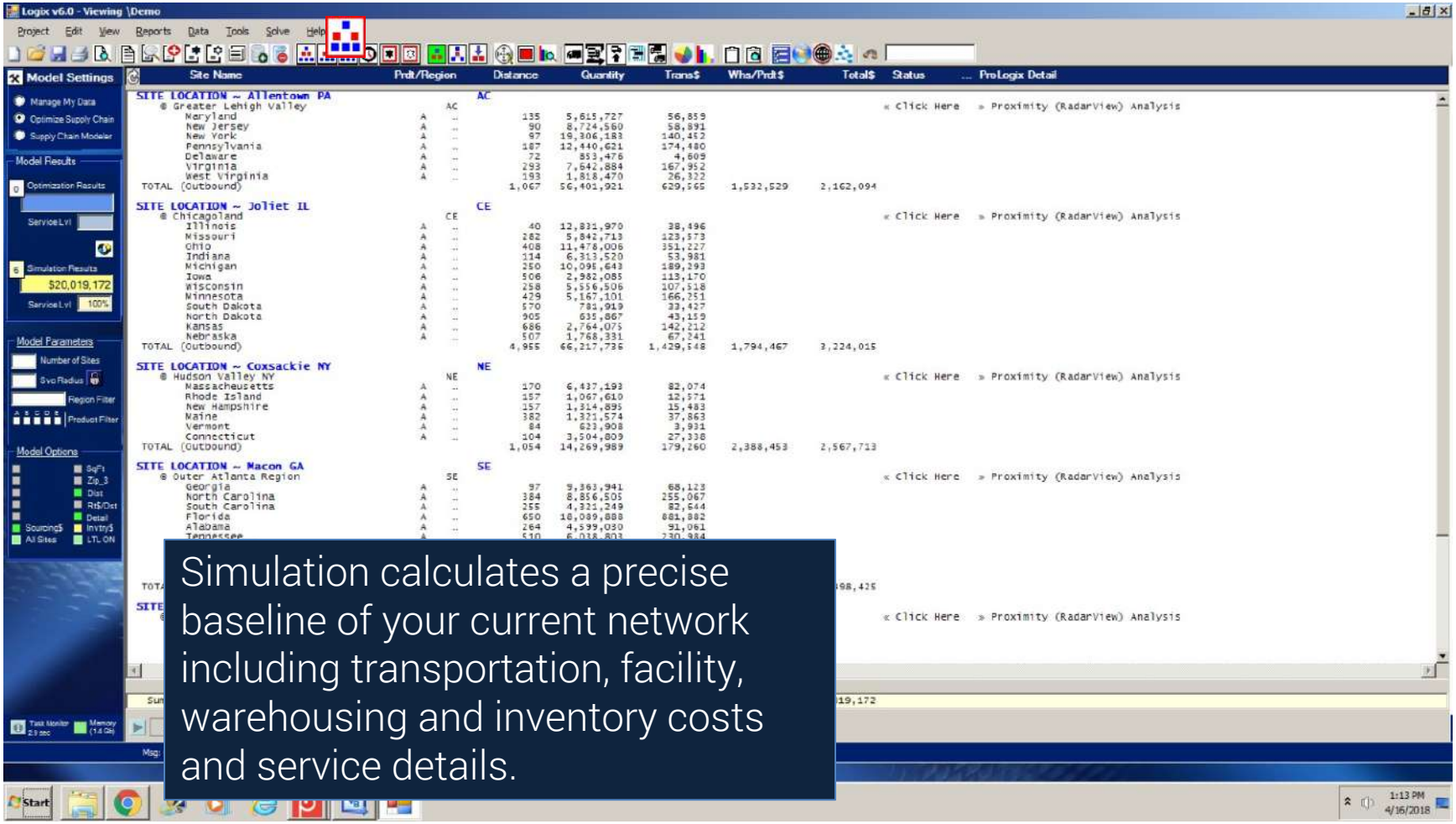
Simulating Your Existing Supply Chain

Let's start with a model of the current or baseline supply chain.

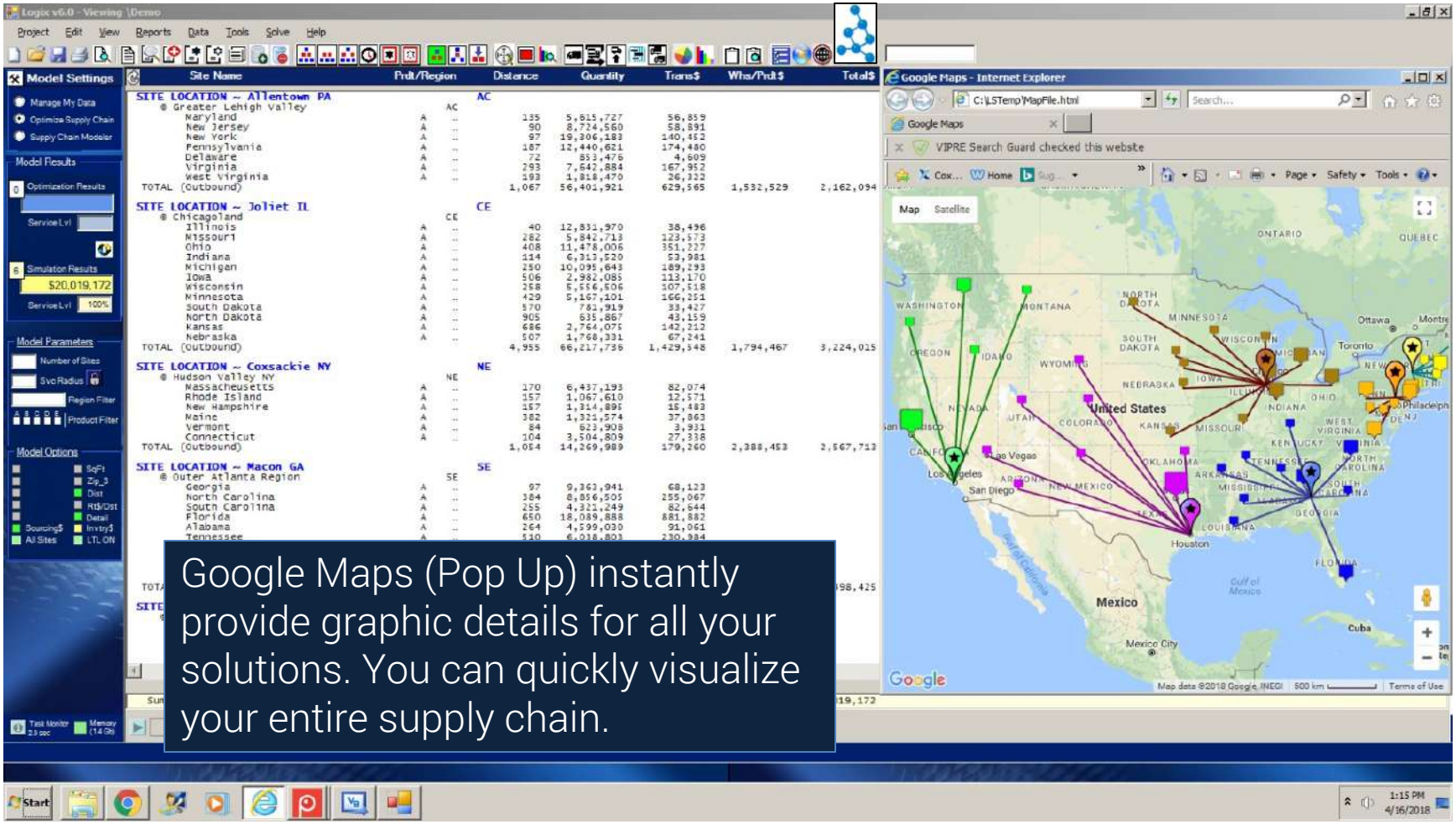
Logix provides you with a number of distribution models including the Simulation Model we'll use first.



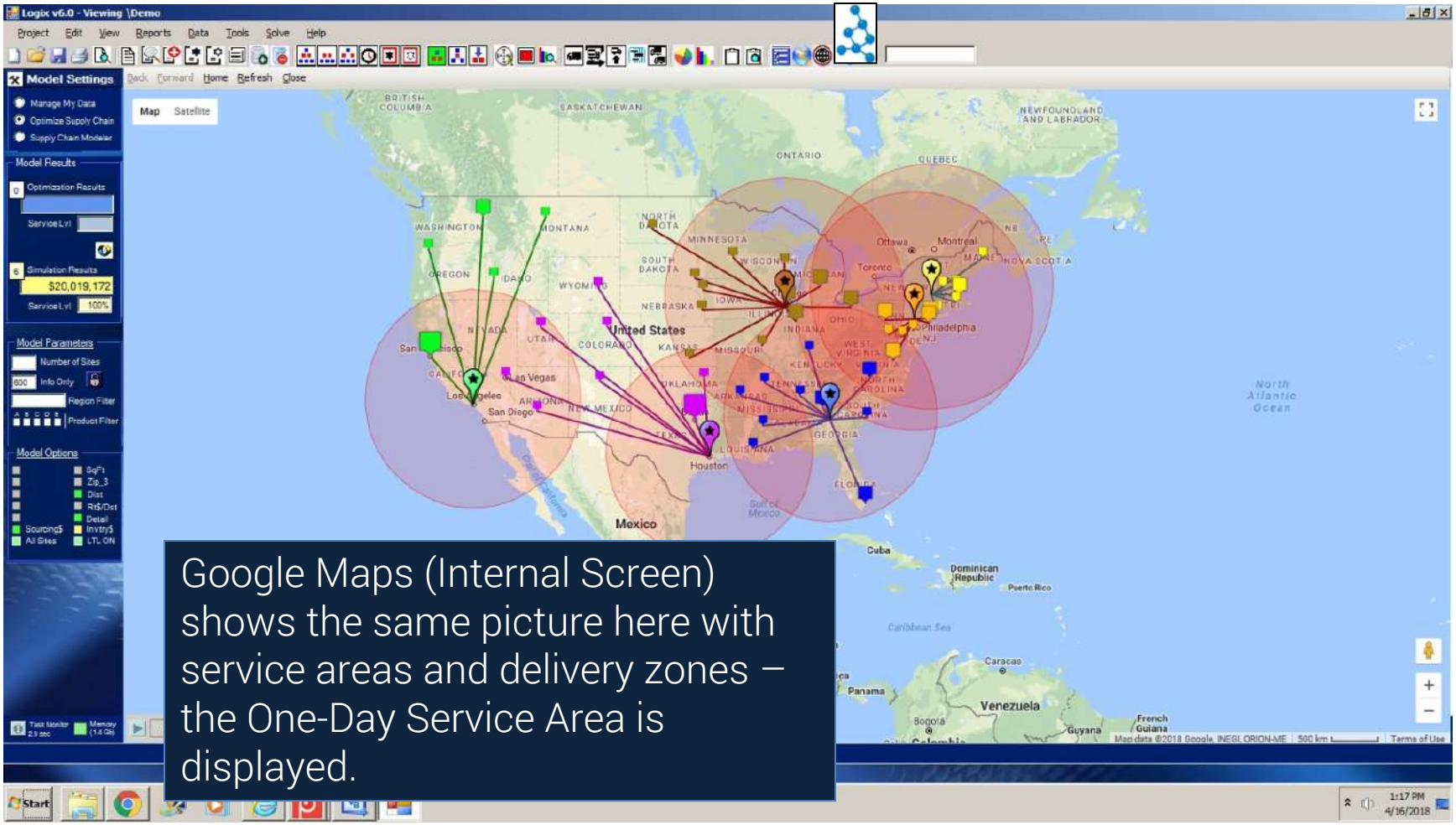
Simulating Your Existing Supply Chain



Simulating Your Existing Supply Chain



Simulating Your Existing Supply Chain

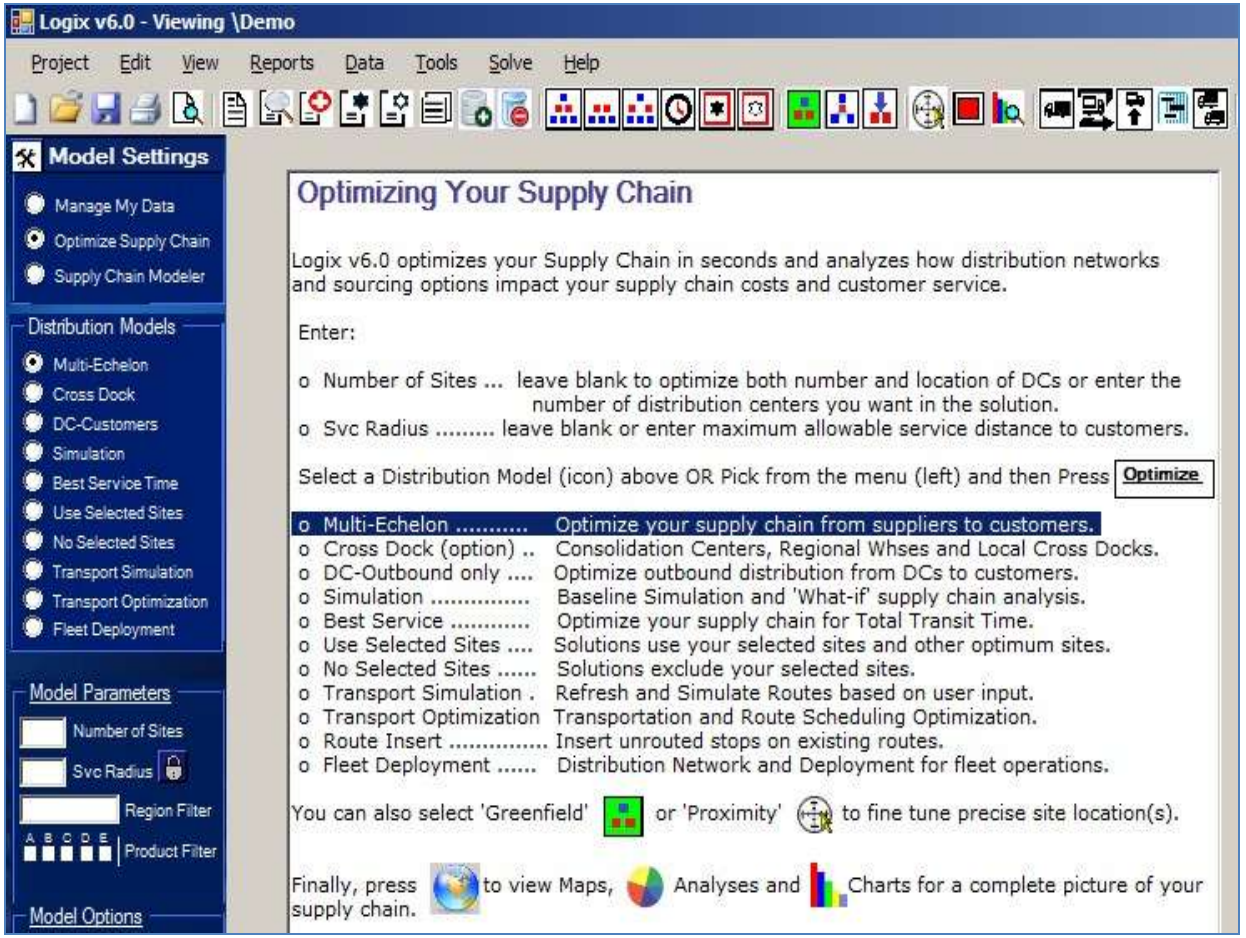


Google Maps (Internal Screen) shows the same picture here with service areas and delivery zones – the One-Day Service Area is displayed.

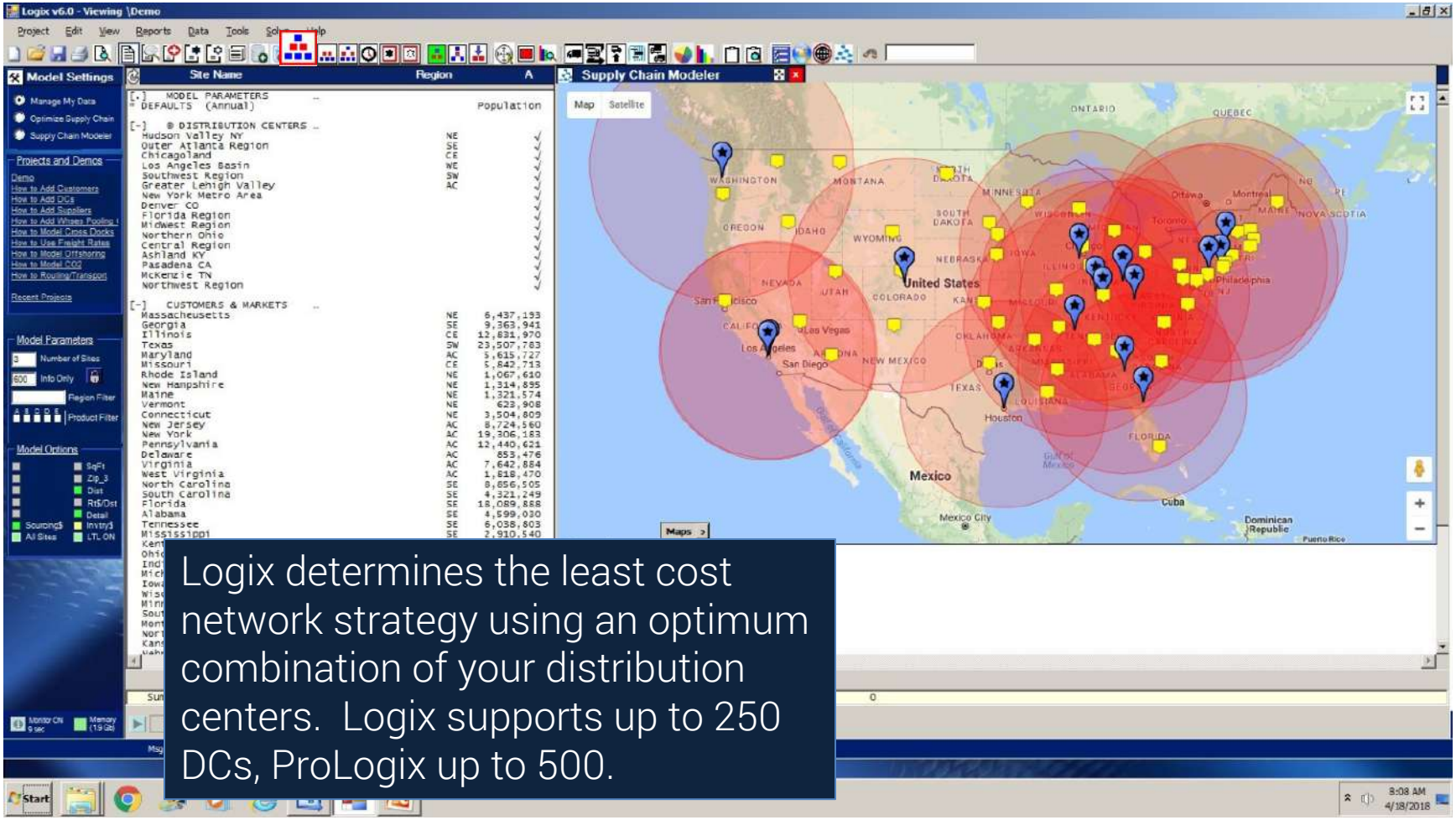
Optimizing Your Supply Chain

Next, let's Optimize the current supply chain and determine the optimum number and location of distribution centers.

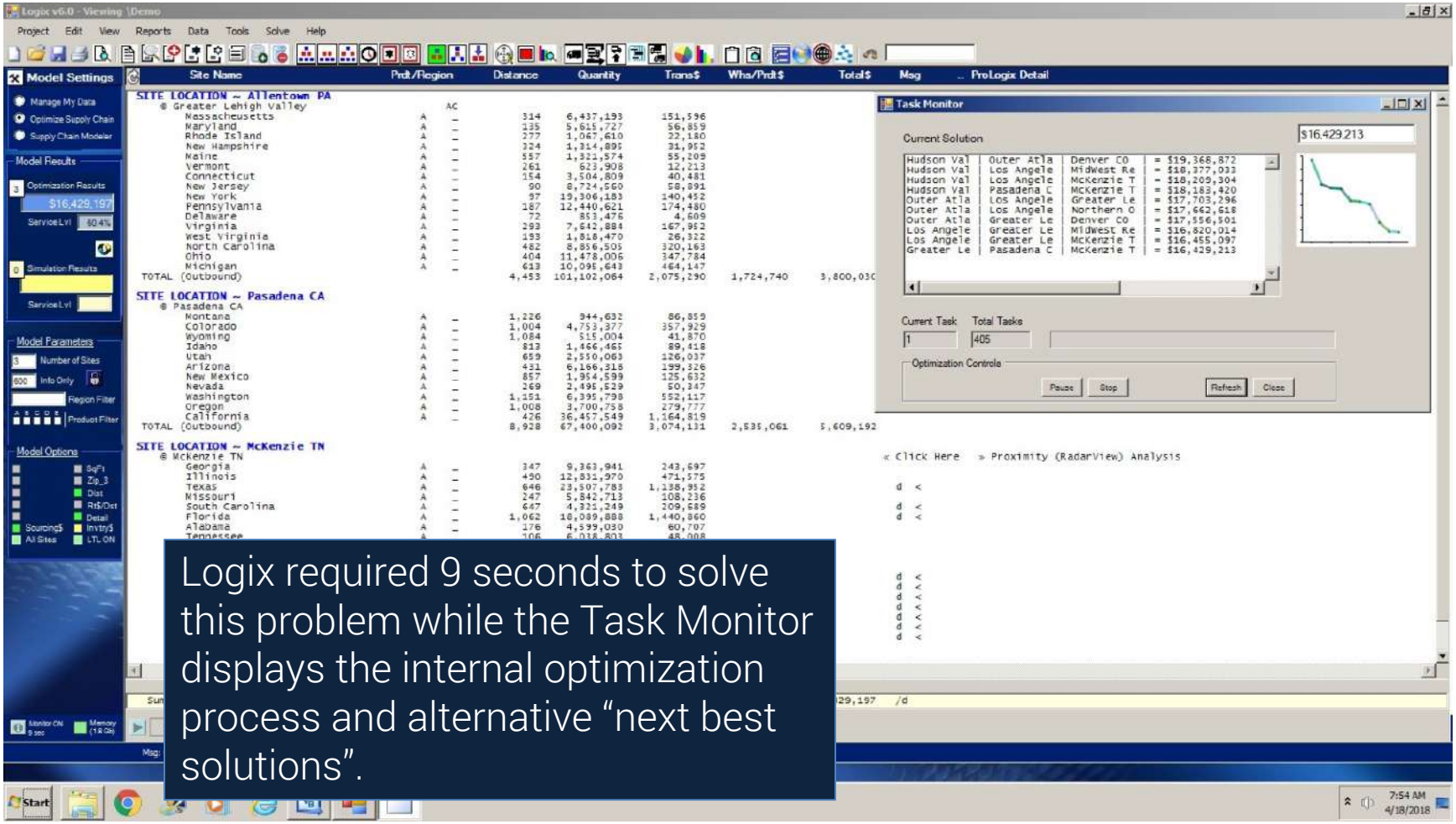
Select the "Multi-Echelon" Distribution Model and leave Number of Sites blank.



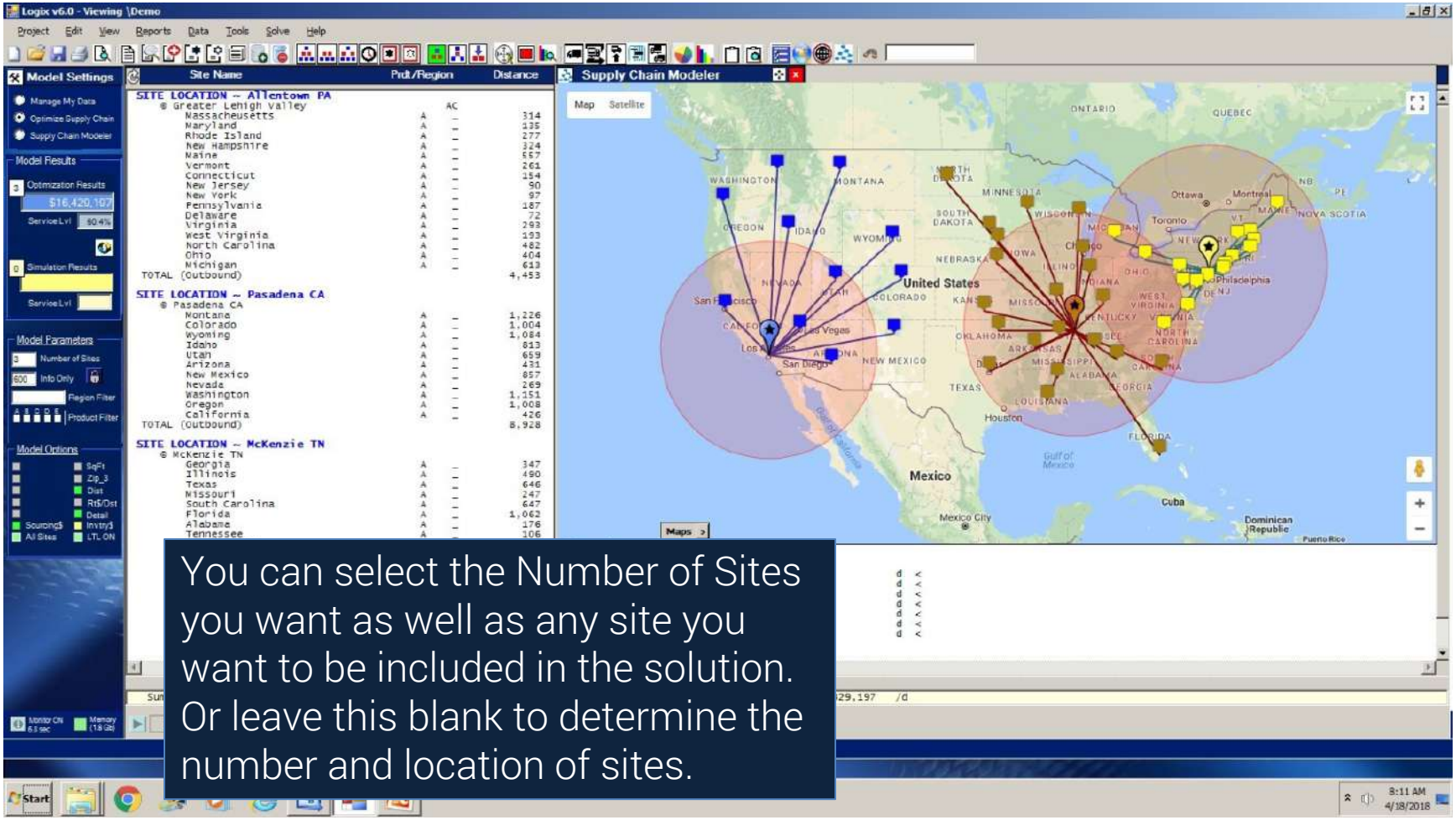
Optimizing Your Supply Chain



Optimizing Your Supply Chain

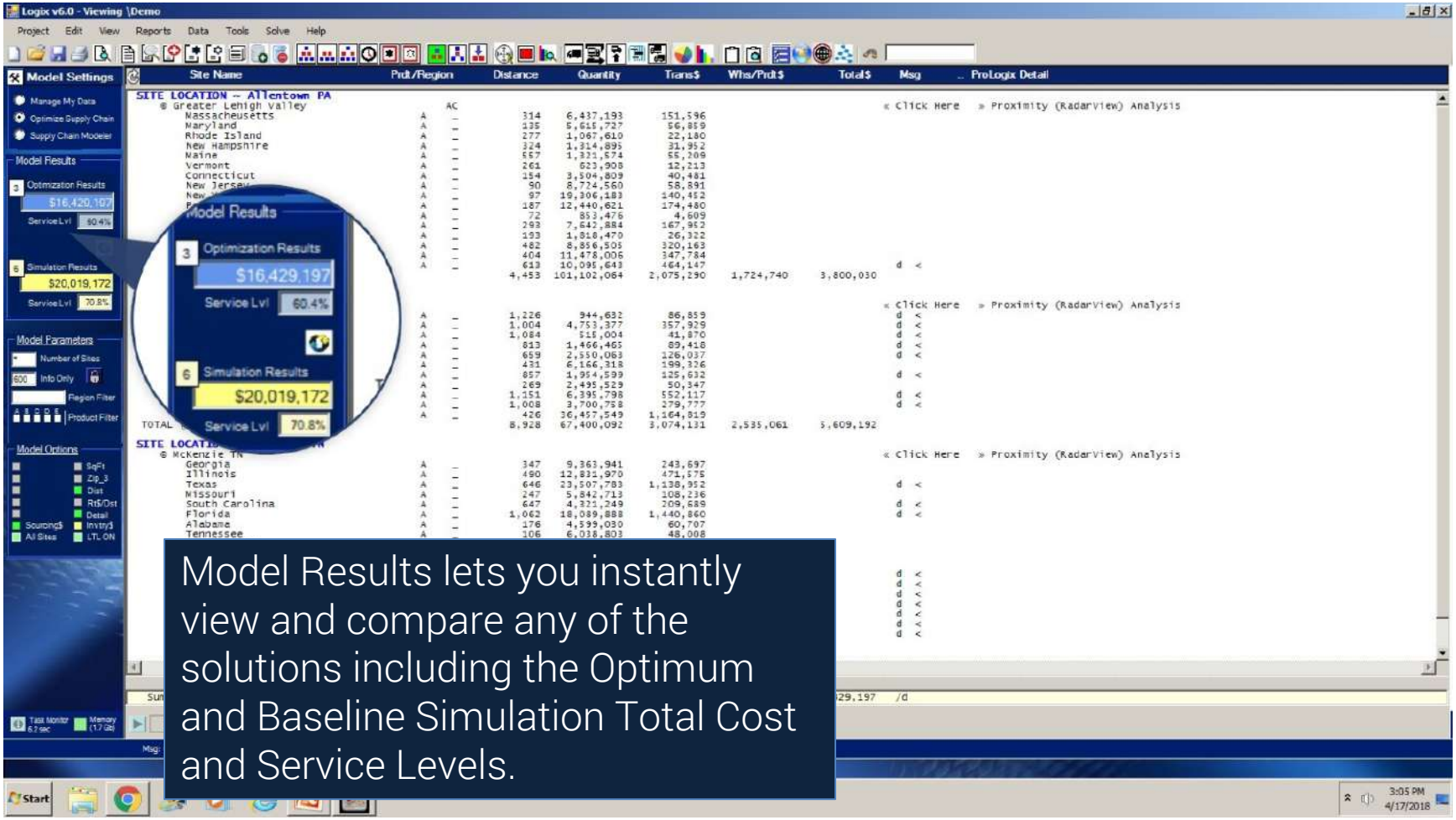


Optimizing Your Supply Chain

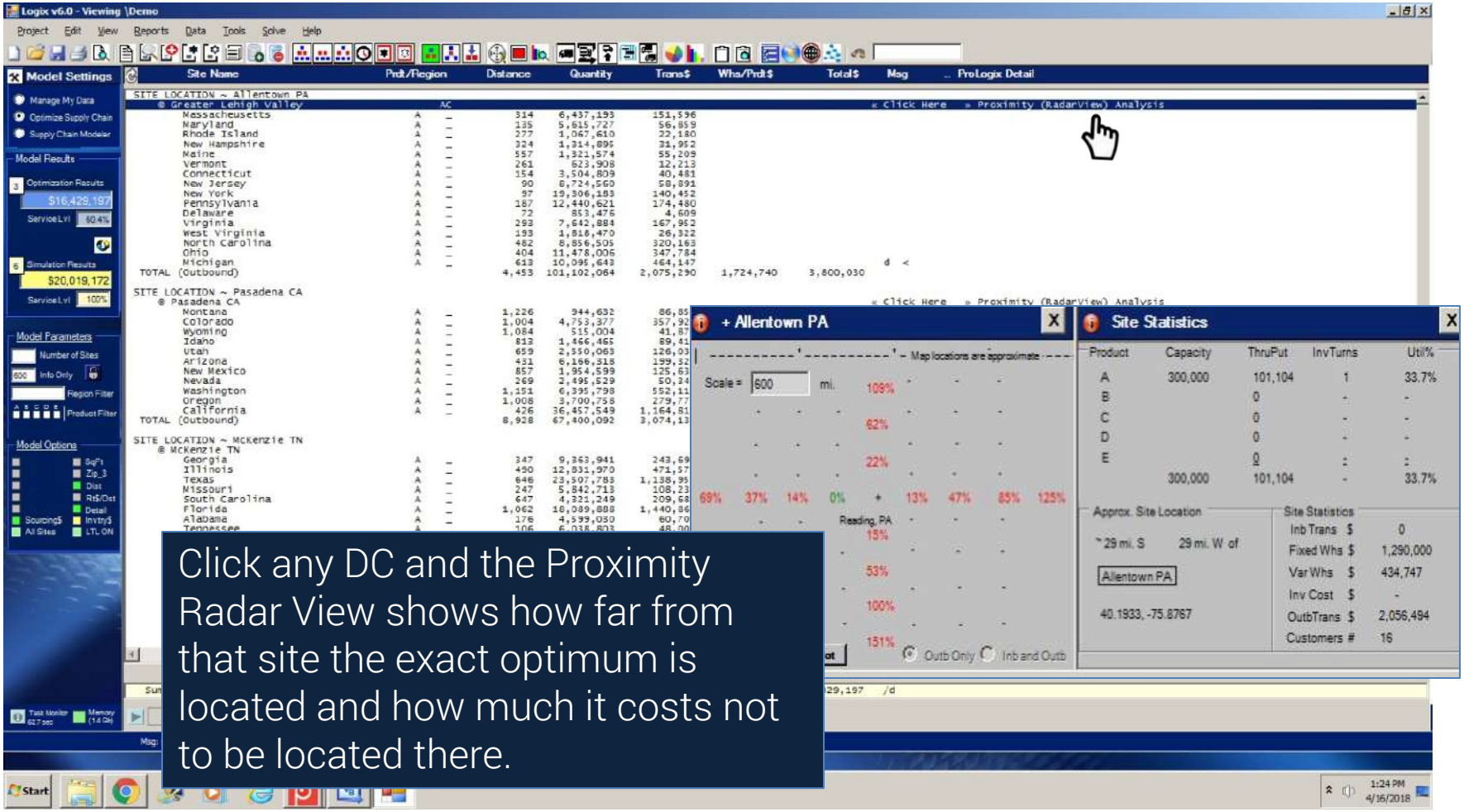


You can select the Number of Sites you want as well as any site you want to be included in the solution. Or leave this blank to determine the number and location of sites.

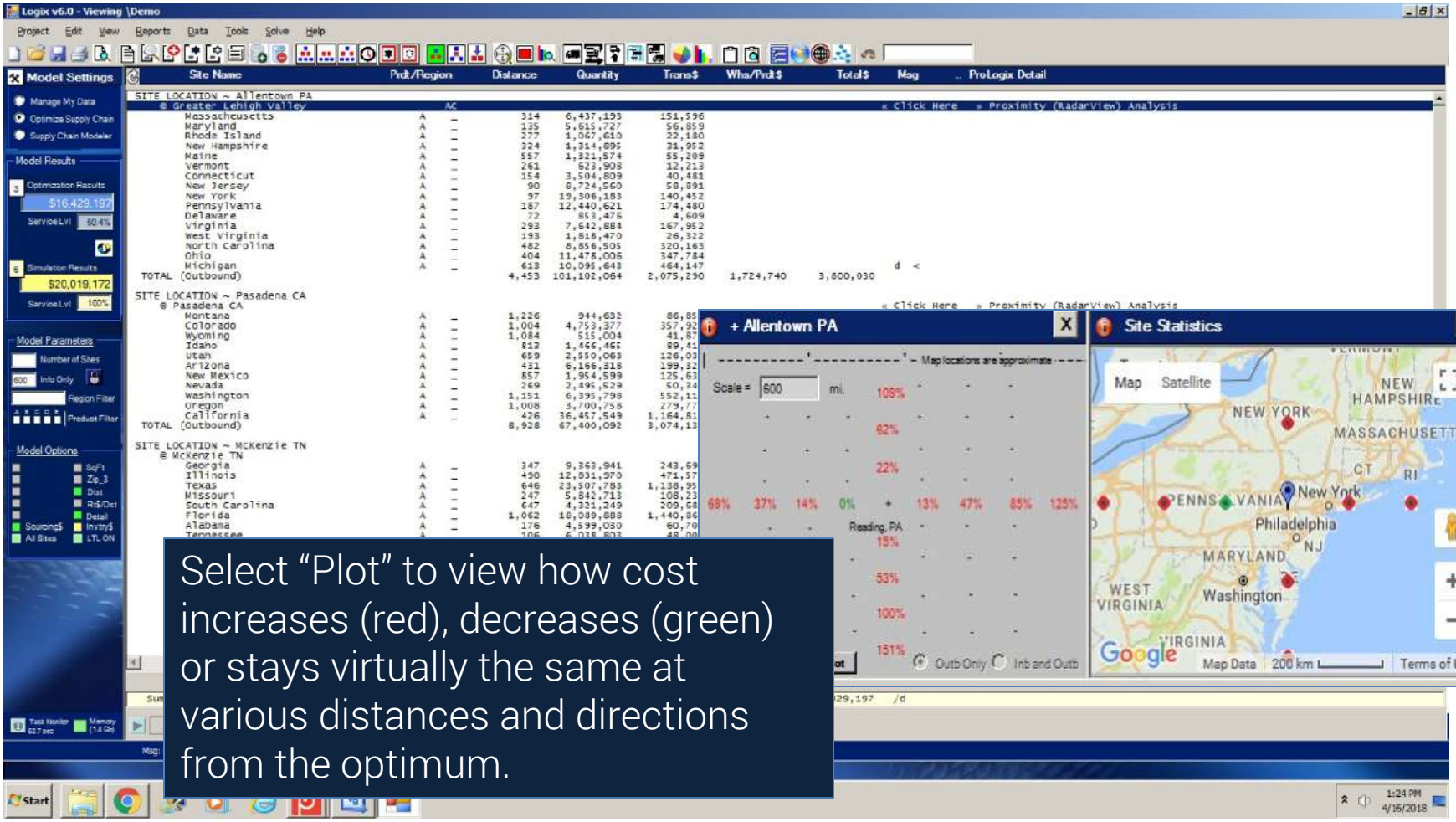
Optimizing Your Supply Chain



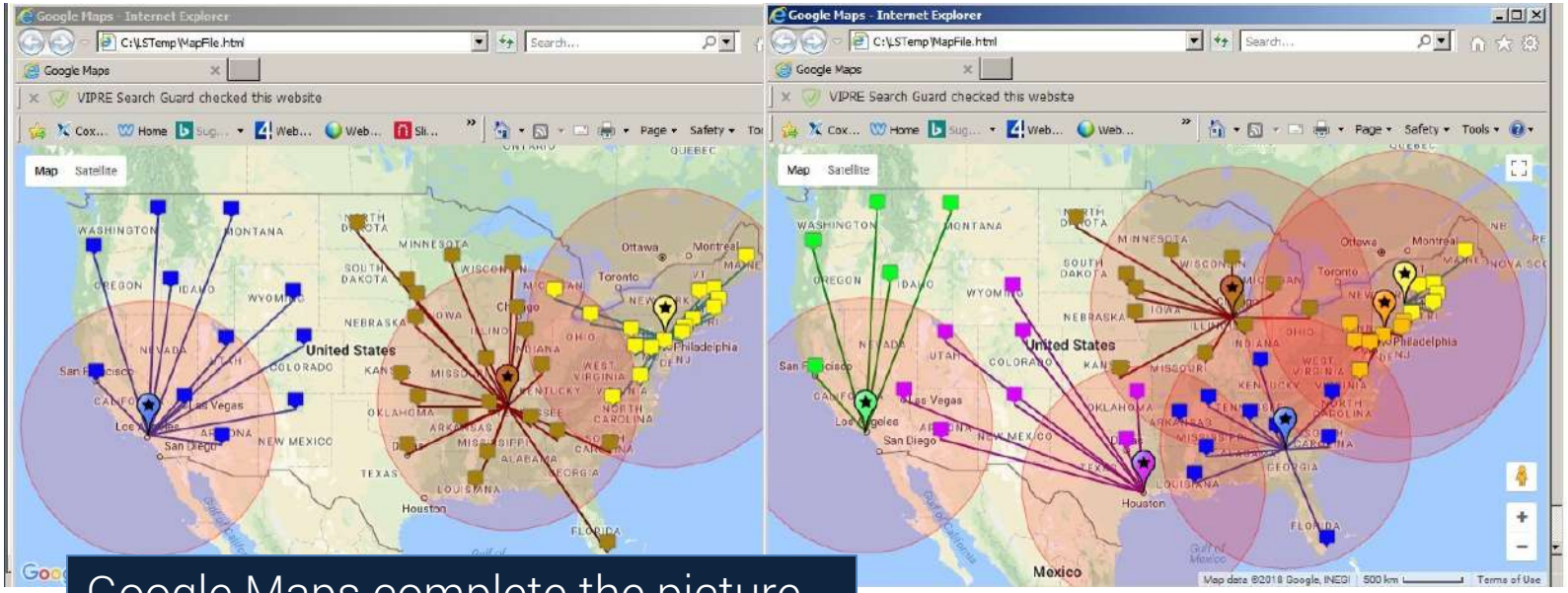
Optimizing Your Supply Chain



Optimizing Your Supply Chain

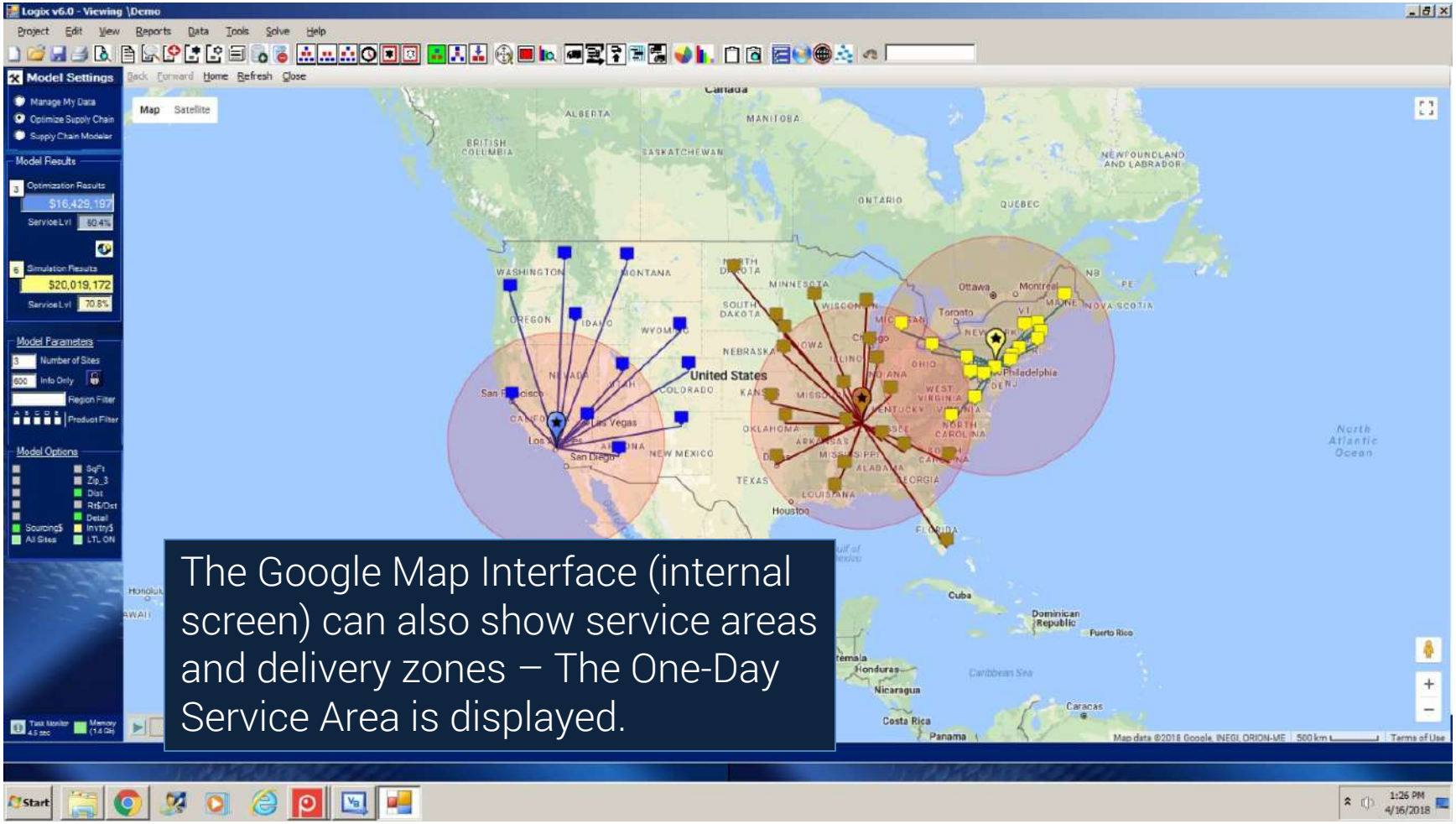


Optimizing Your Supply Chain



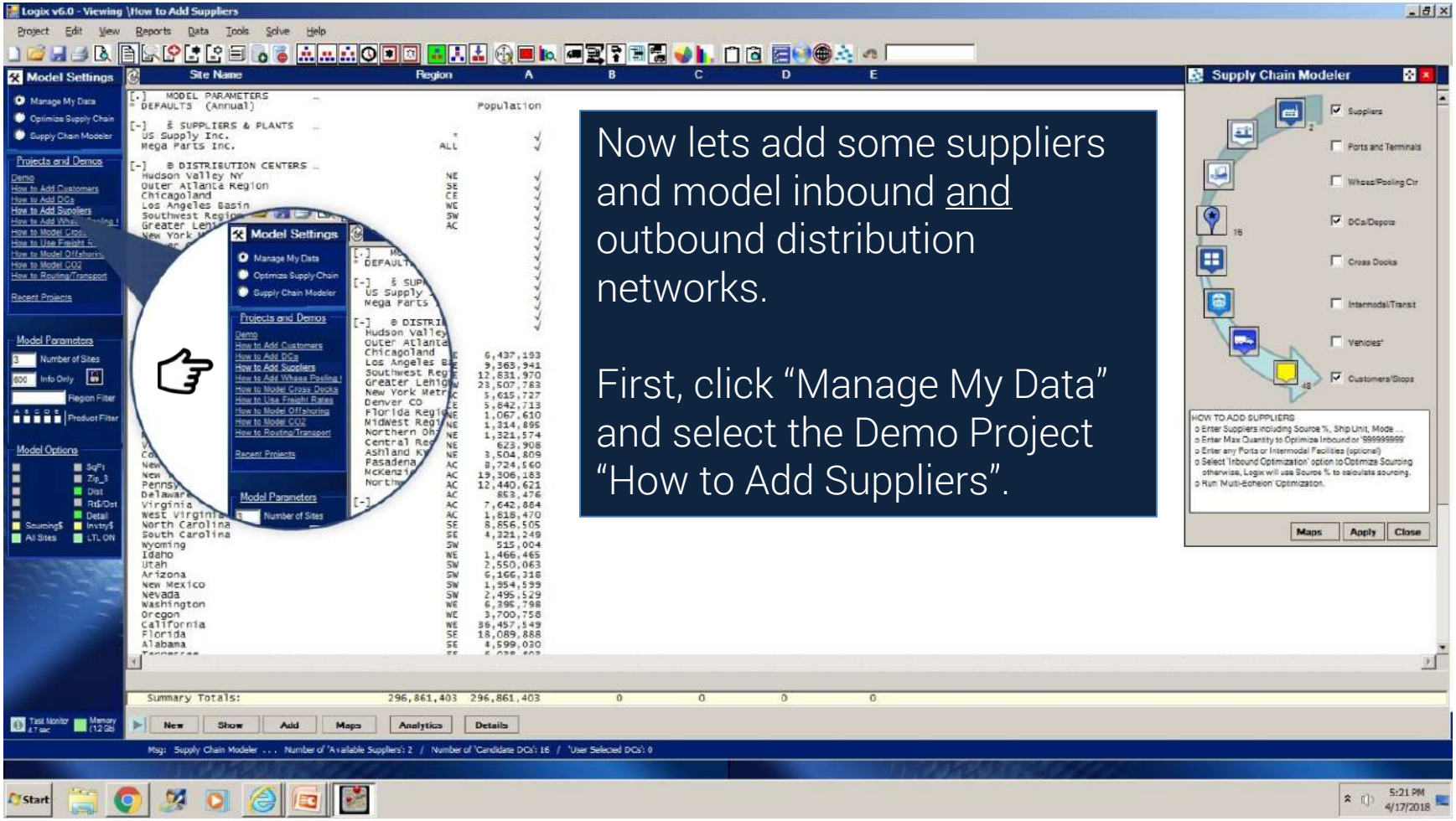
Google Maps complete the picture with graphic details for all your solutions instantly. View solutions side by side to compare different scenarios.

Optimizing Your Supply Chain



The Google Map Interface (internal screen) can also show service areas and delivery zones – The One-Day Service Area is displayed.

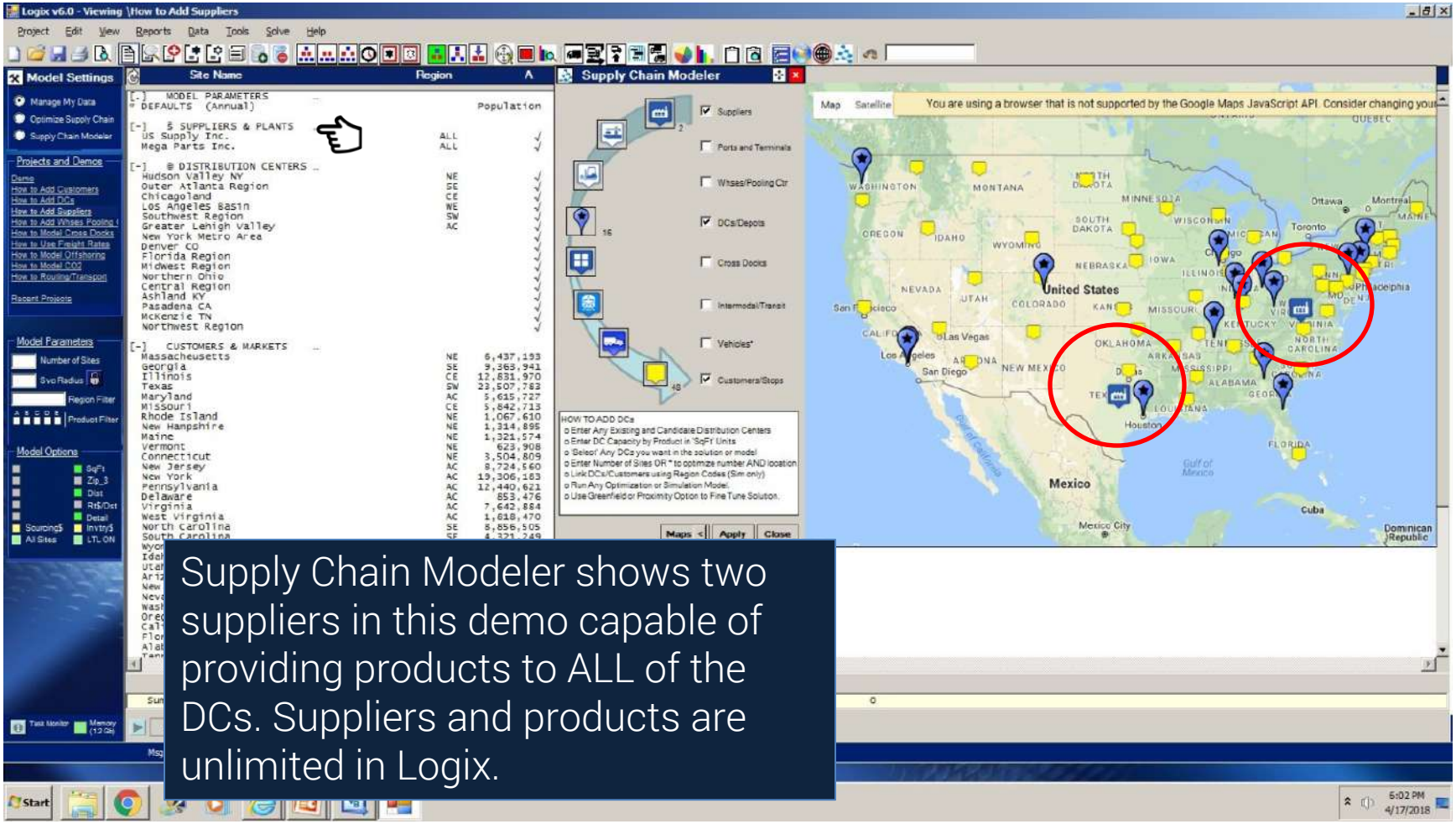
How to Add Suppliers



Now lets add some suppliers and model inbound and outbound distribution networks.

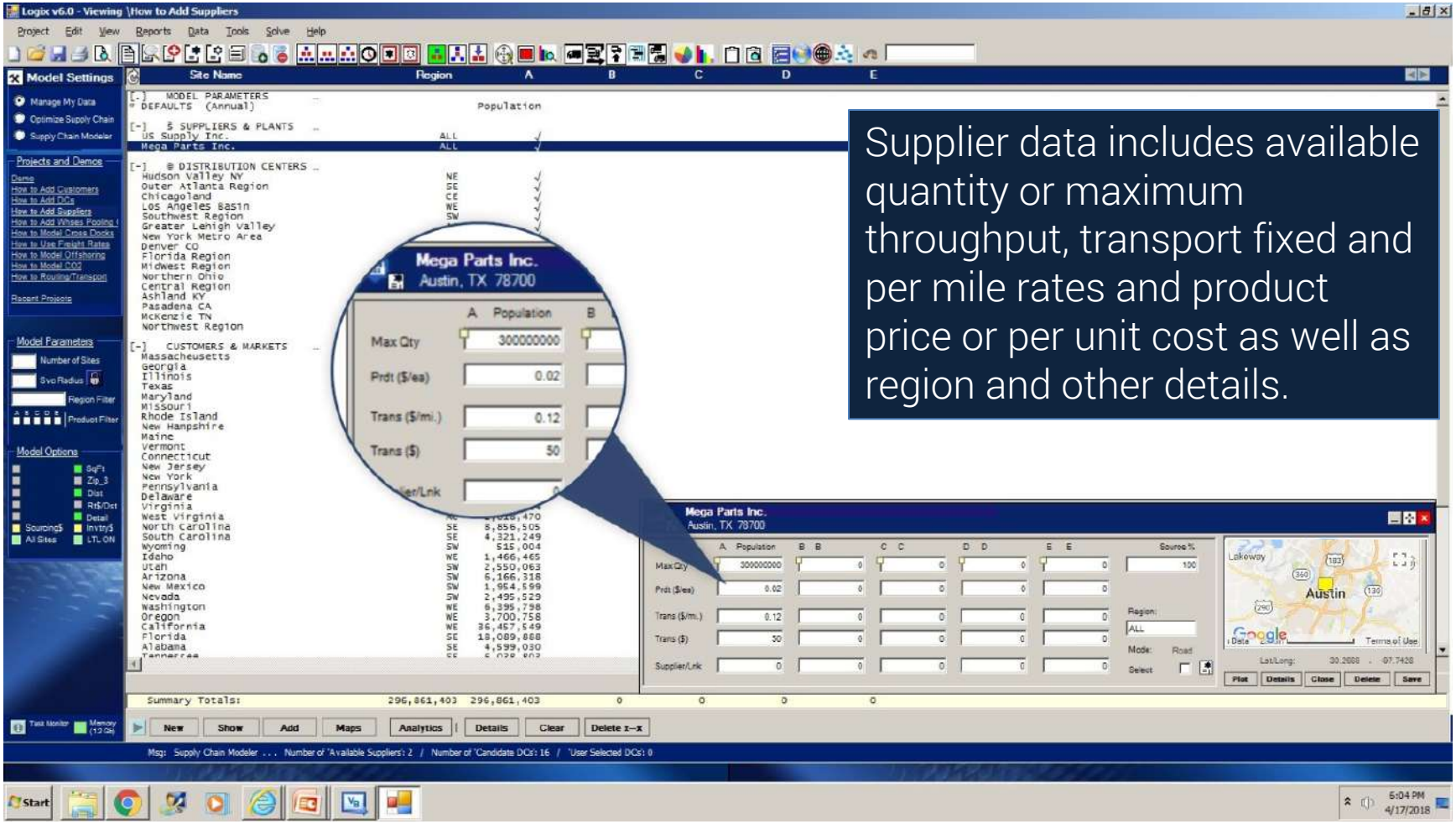
First, click “Manage My Data” and select the Demo Project “How to Add Suppliers”.

How to Add Suppliers



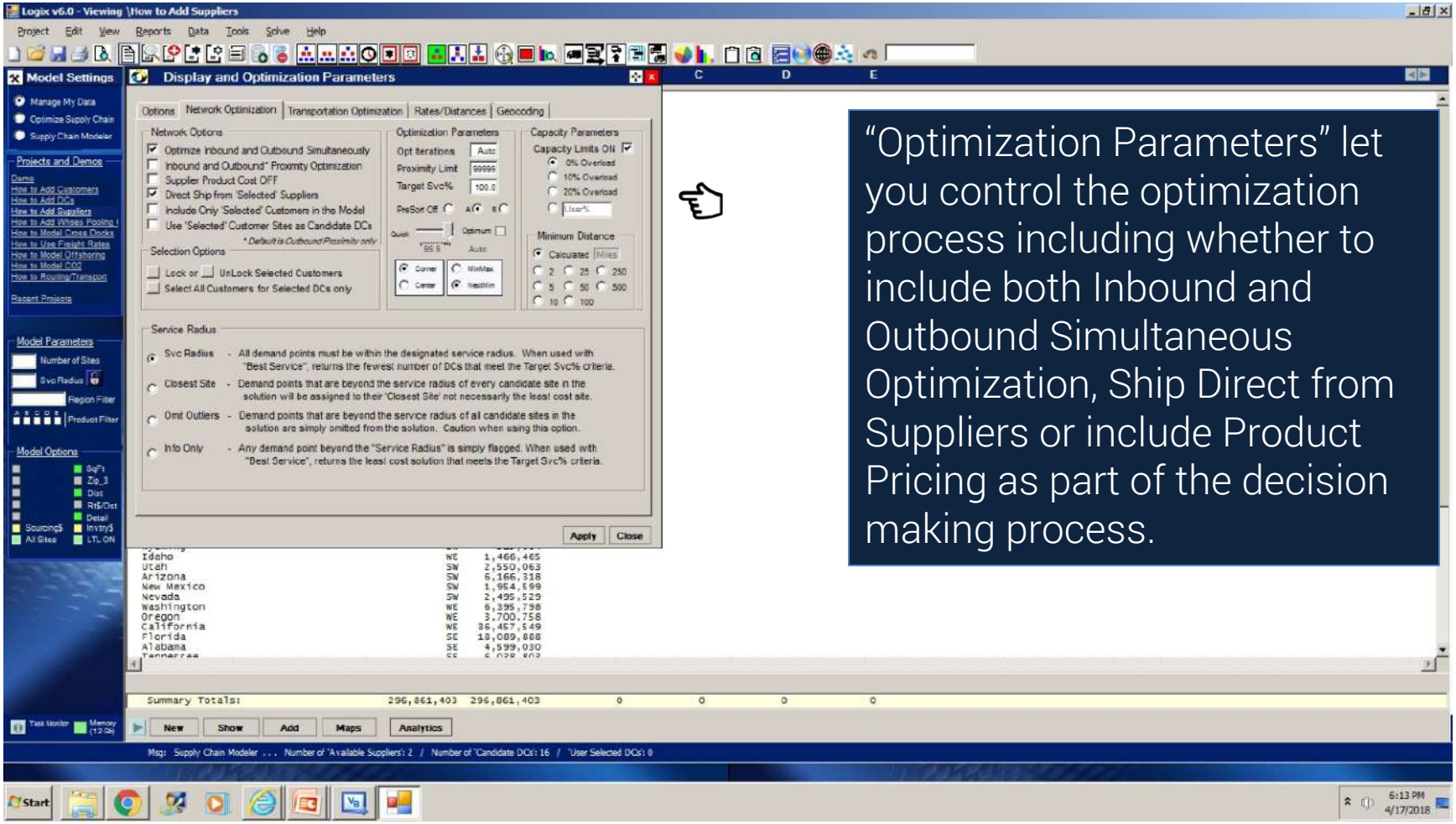
Supply Chain Modeler shows two suppliers in this demo capable of providing products to ALL of the DCs. Suppliers and products are unlimited in Logix.

How to Add Suppliers



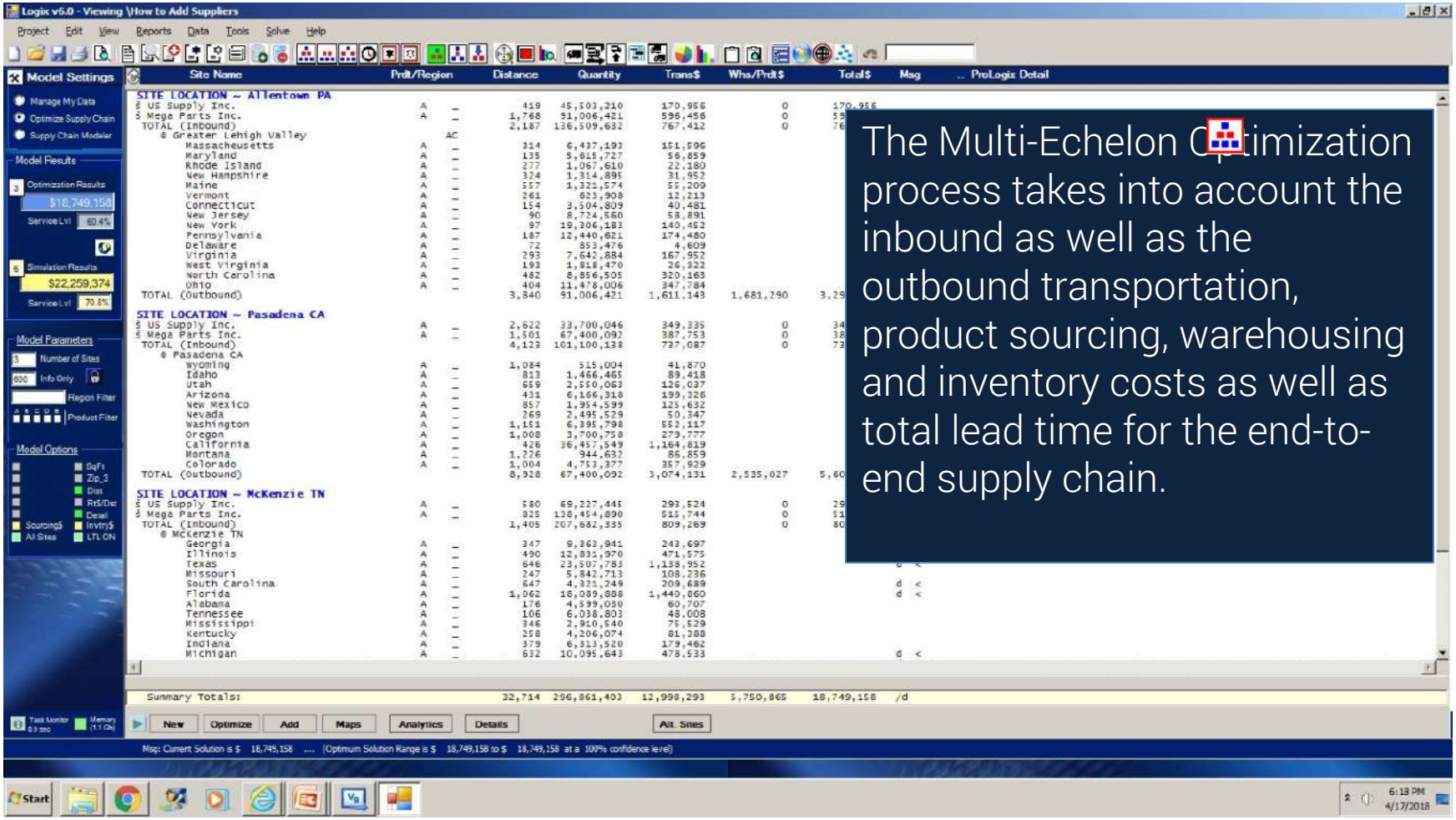
Supplier data includes available quantity or maximum throughput, transport fixed and per mile rates and product price or per unit cost as well as region and other details.

How to Add Suppliers



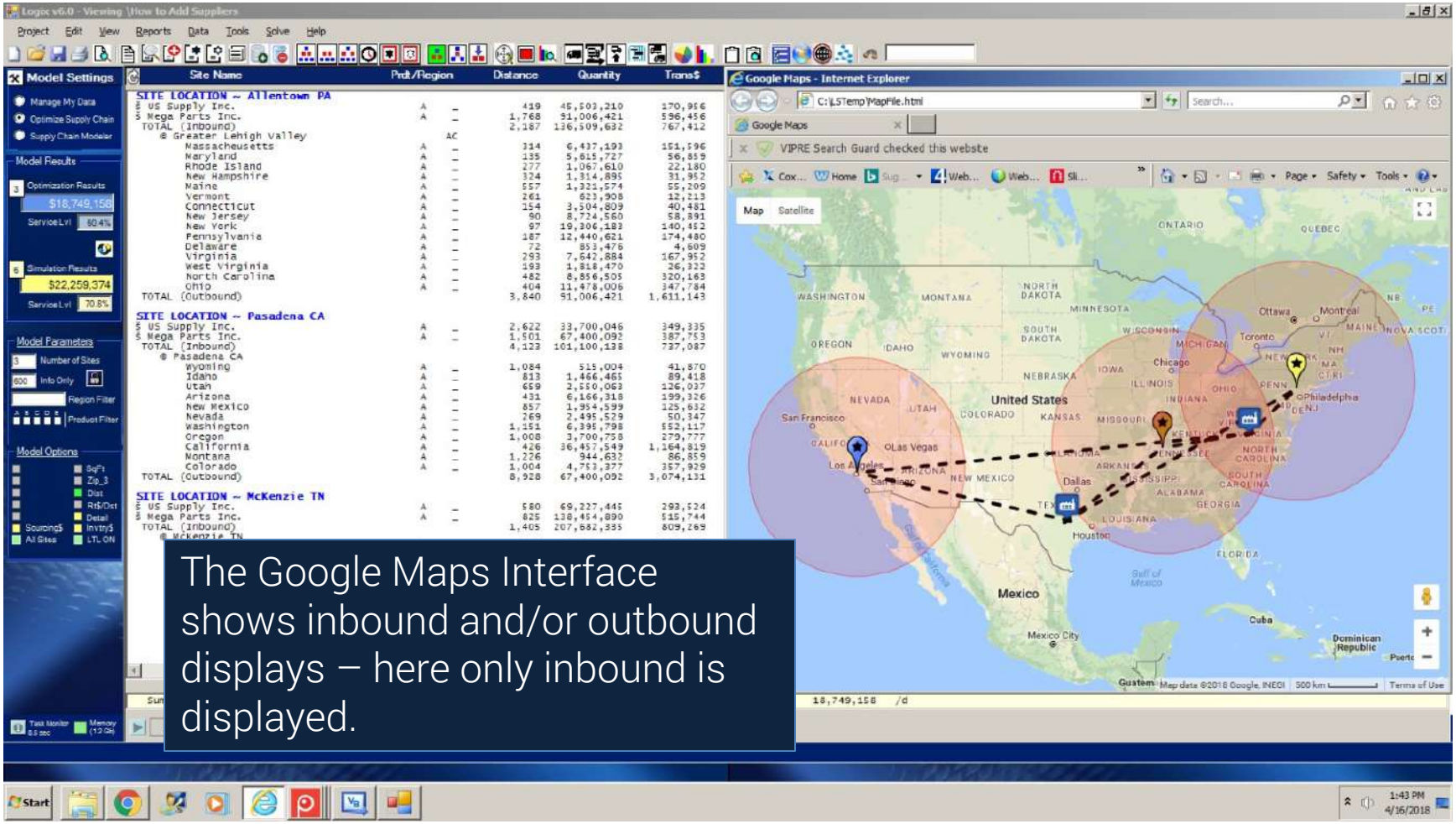
"Optimization Parameters" let you control the optimization process including whether to include both Inbound and Outbound Simultaneous Optimization, Ship Direct from Suppliers or include Product Pricing as part of the decision making process.

How to Add Suppliers

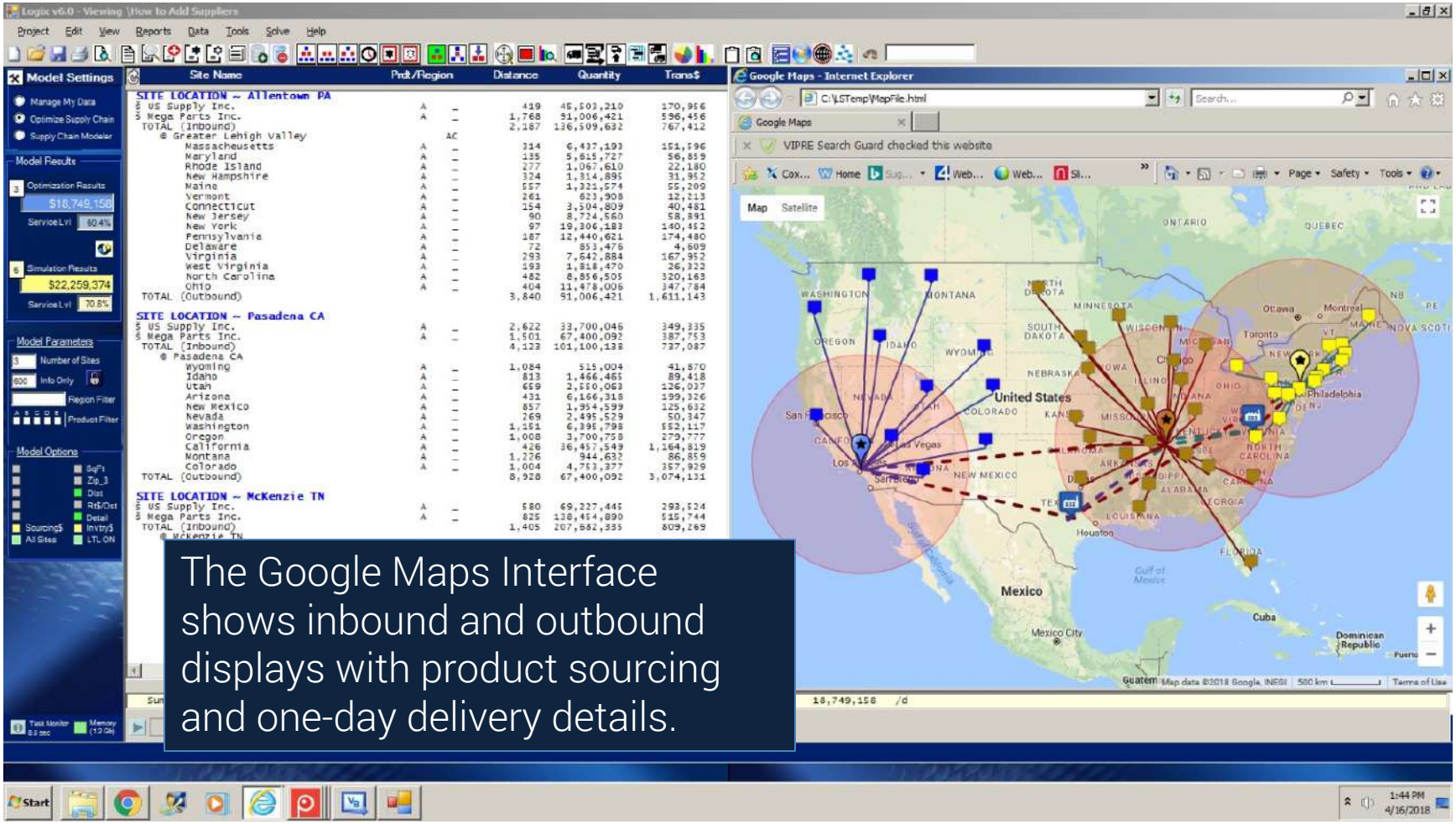


The Multi-Echelon Optimization process takes into account the inbound as well as the outbound transportation, product sourcing, warehousing and inventory costs as well as total lead time for the end-to-end supply chain.

Map Displays and Controls



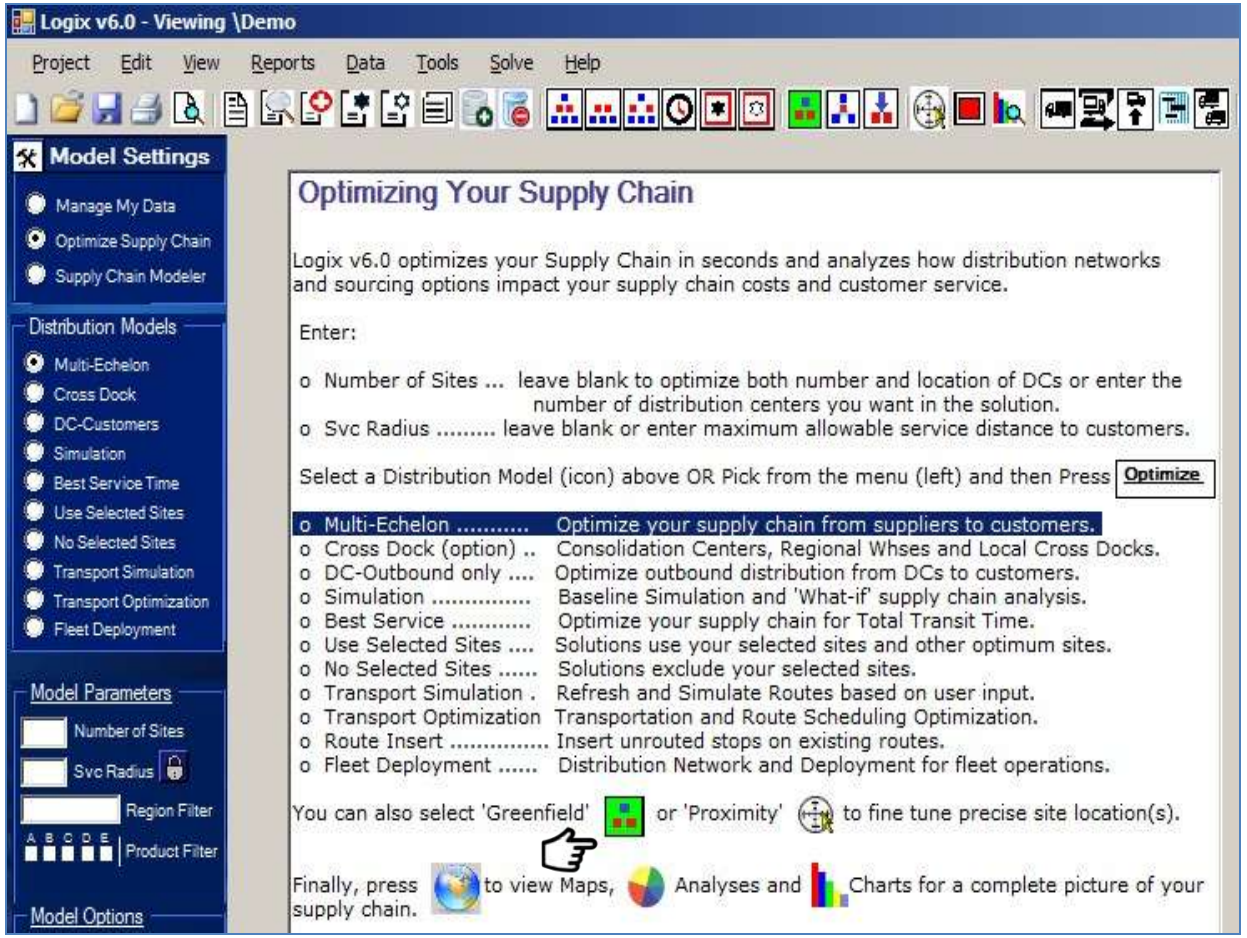
Map Displays and Controls



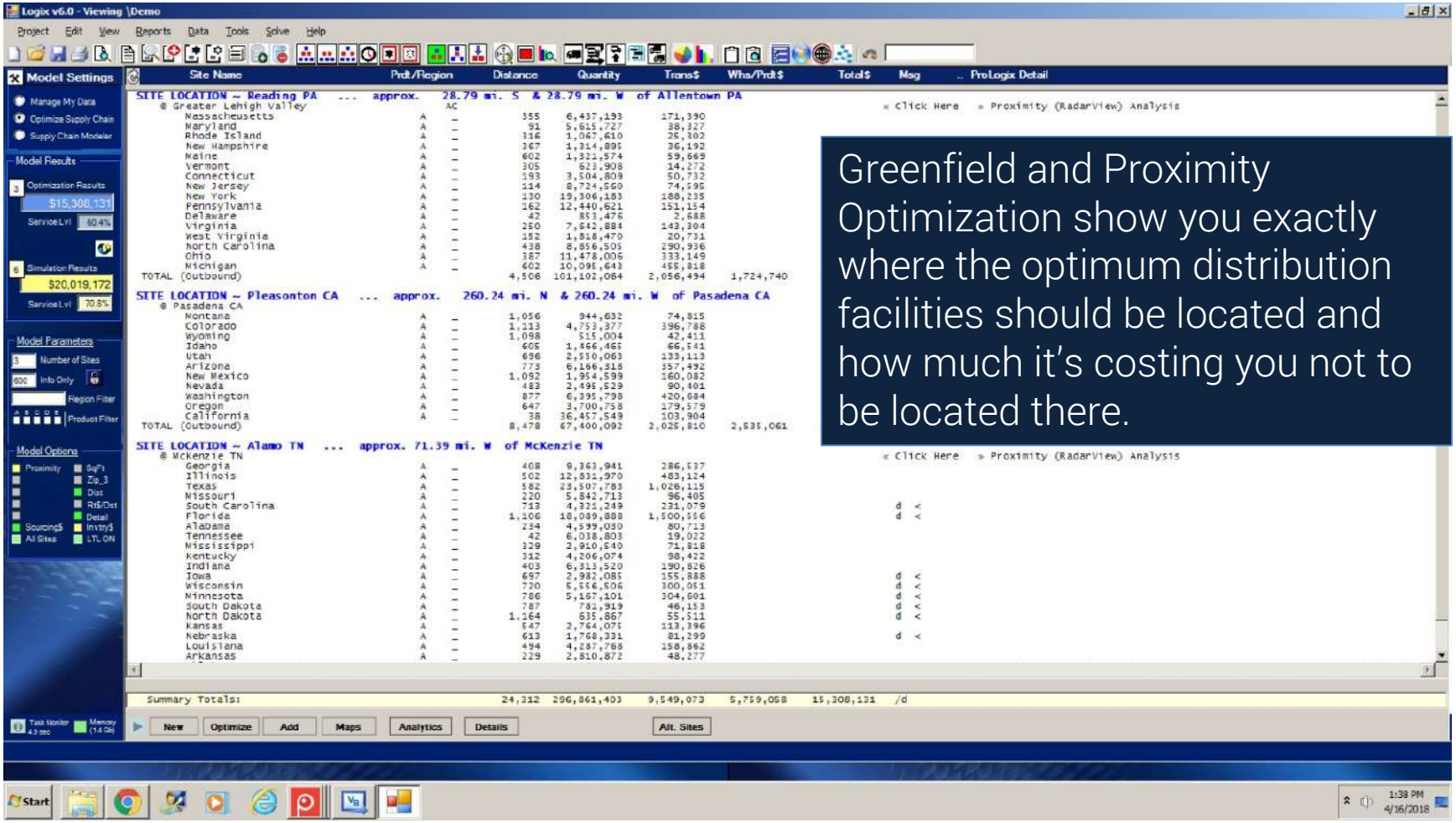
Greenfield and Proximity Solutions

Logix lets you optimize your network "from scratch" or add distribution sites without knowing in advance where they should be located.

Logix uses proprietary Greenfield  Proximity  and Multi-Echelon algorithms to do this.

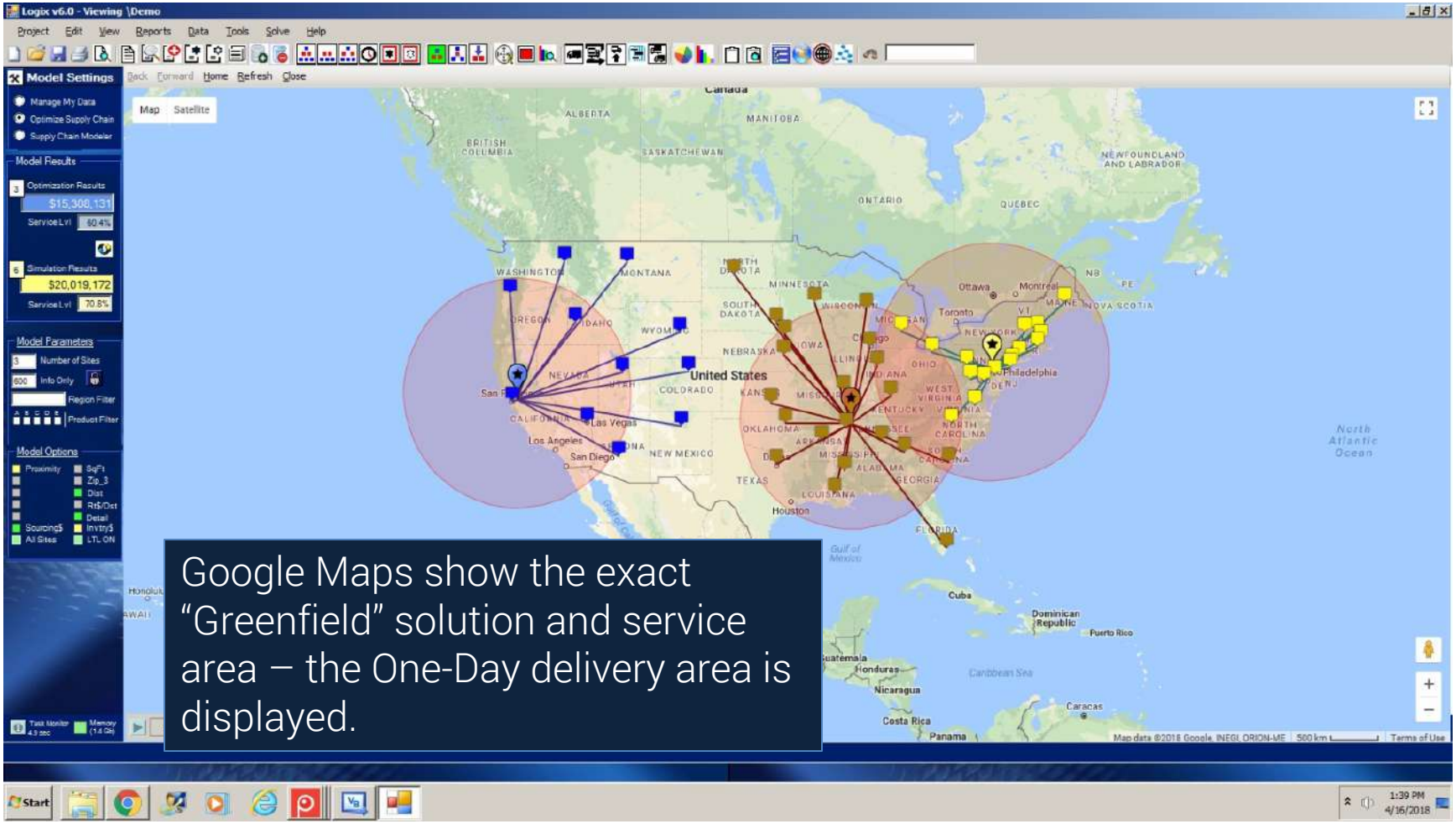


Greenfield and Proximity Optimization

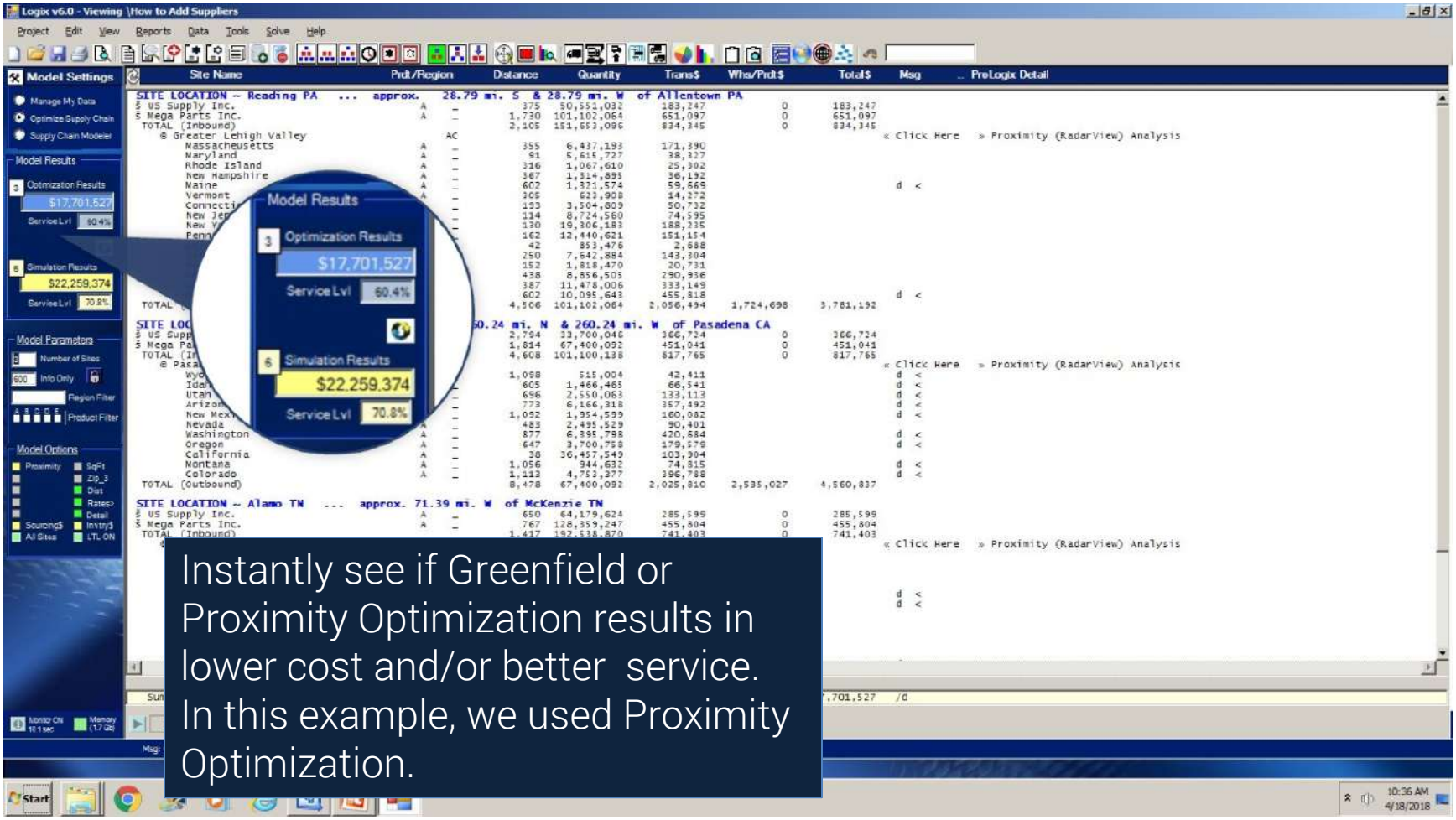


Greenfield and Proximity Optimization show you exactly where the optimum distribution facilities should be located and how much it's costing you not to be located there.

Greenfield and Proximity Optimization



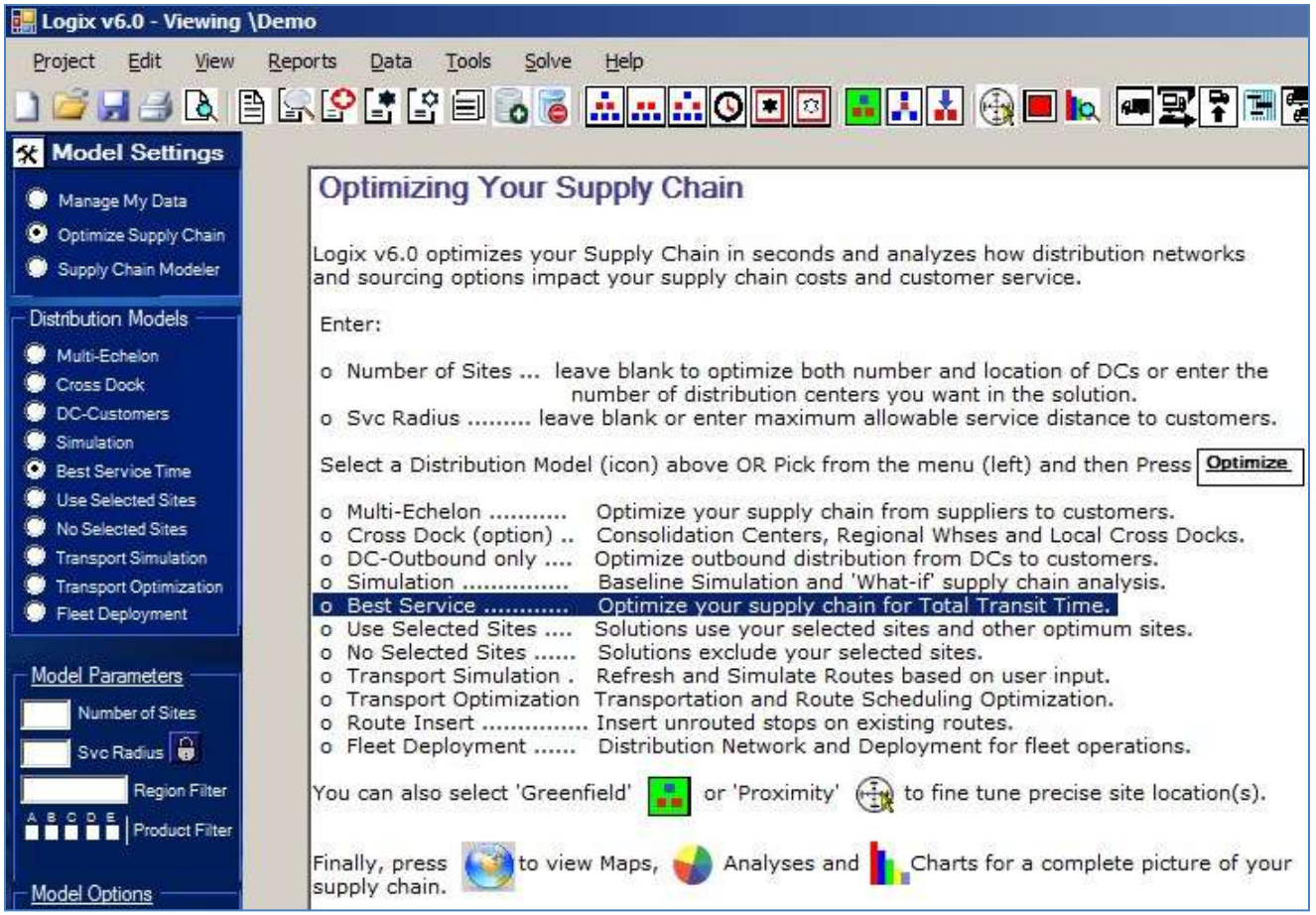
Greenfield and Proximity Optimization



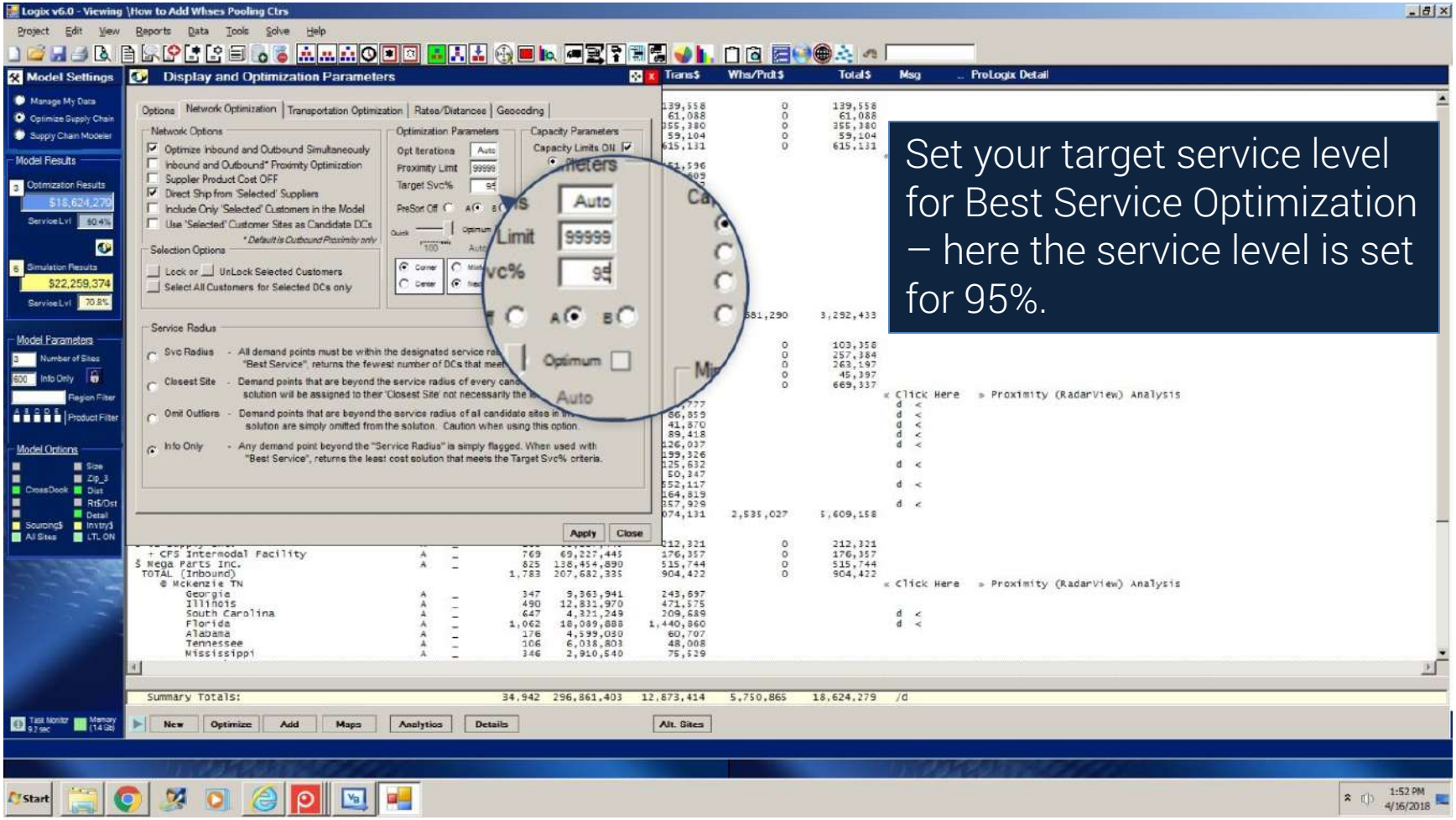
Best Service Optimization

Best Service Optimization determines the optimum number and location of distribution centers to meet your service level target.

Logistics Service Providers (3PLs) often map their customers' requirements to their DC network.

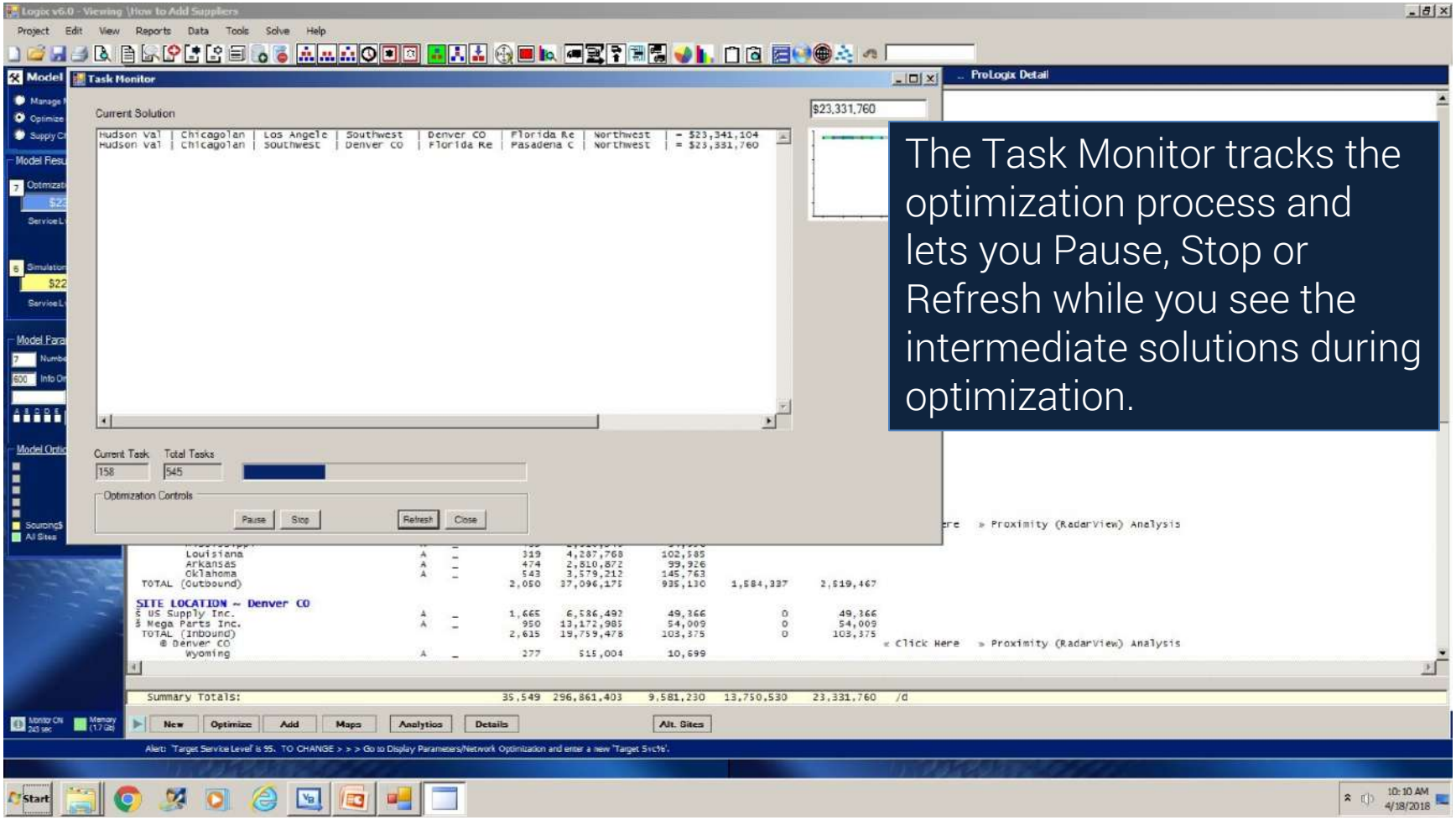


Best Service Optimization



Set your target service level for Best Service Optimization – here the service level is set for 95%.

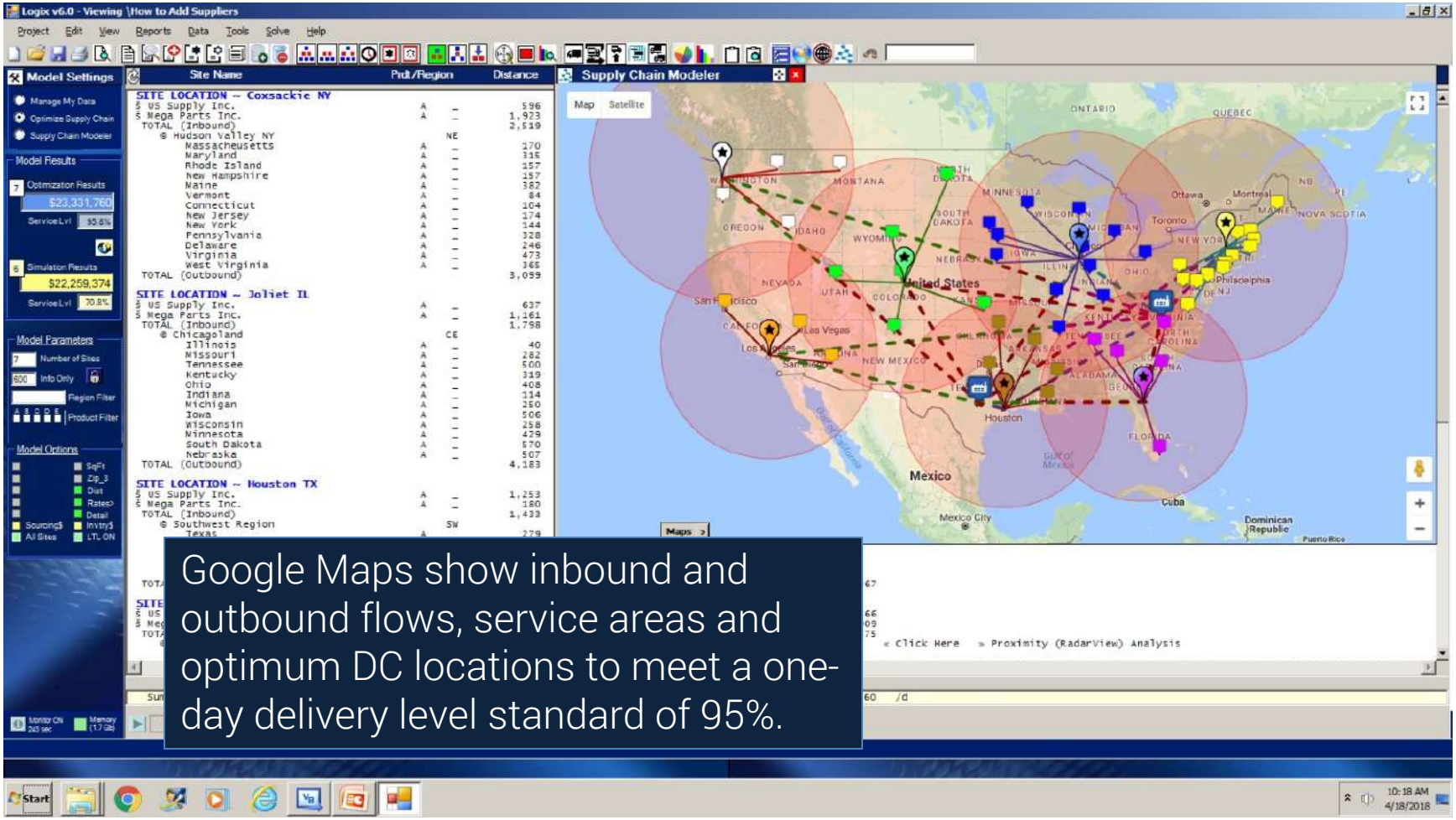
Best Service Optimization



Best Service Optimization

Best Service Optimization determines the optimum number and location of distribution centers to meet your service level target – here 7 facilities are required to meet a one-day delivery standard at 95%.

Best Service Optimization

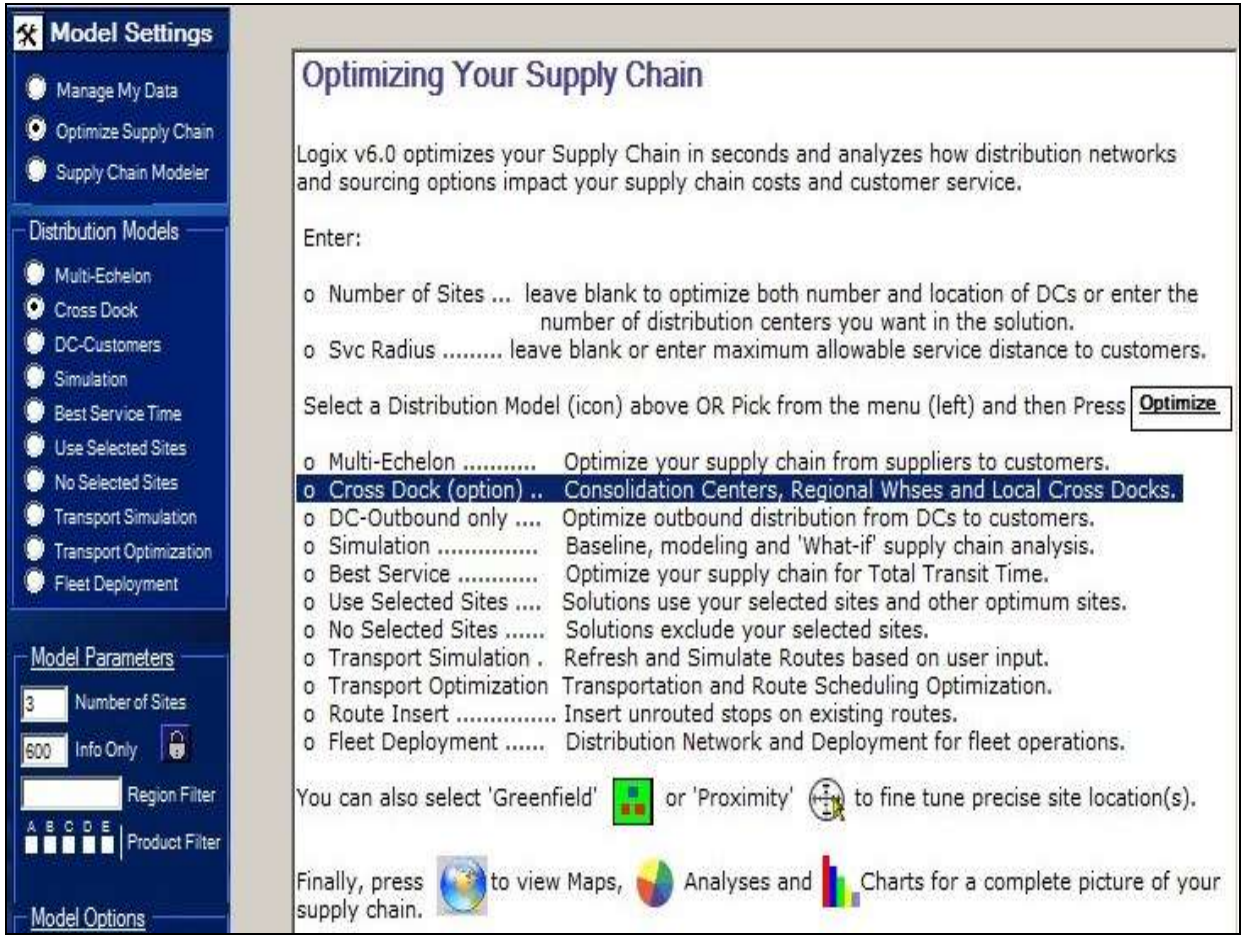


Google Maps show inbound and outbound flows, service areas and optimum DC locations to meet a one-day delivery level standard of 95%.

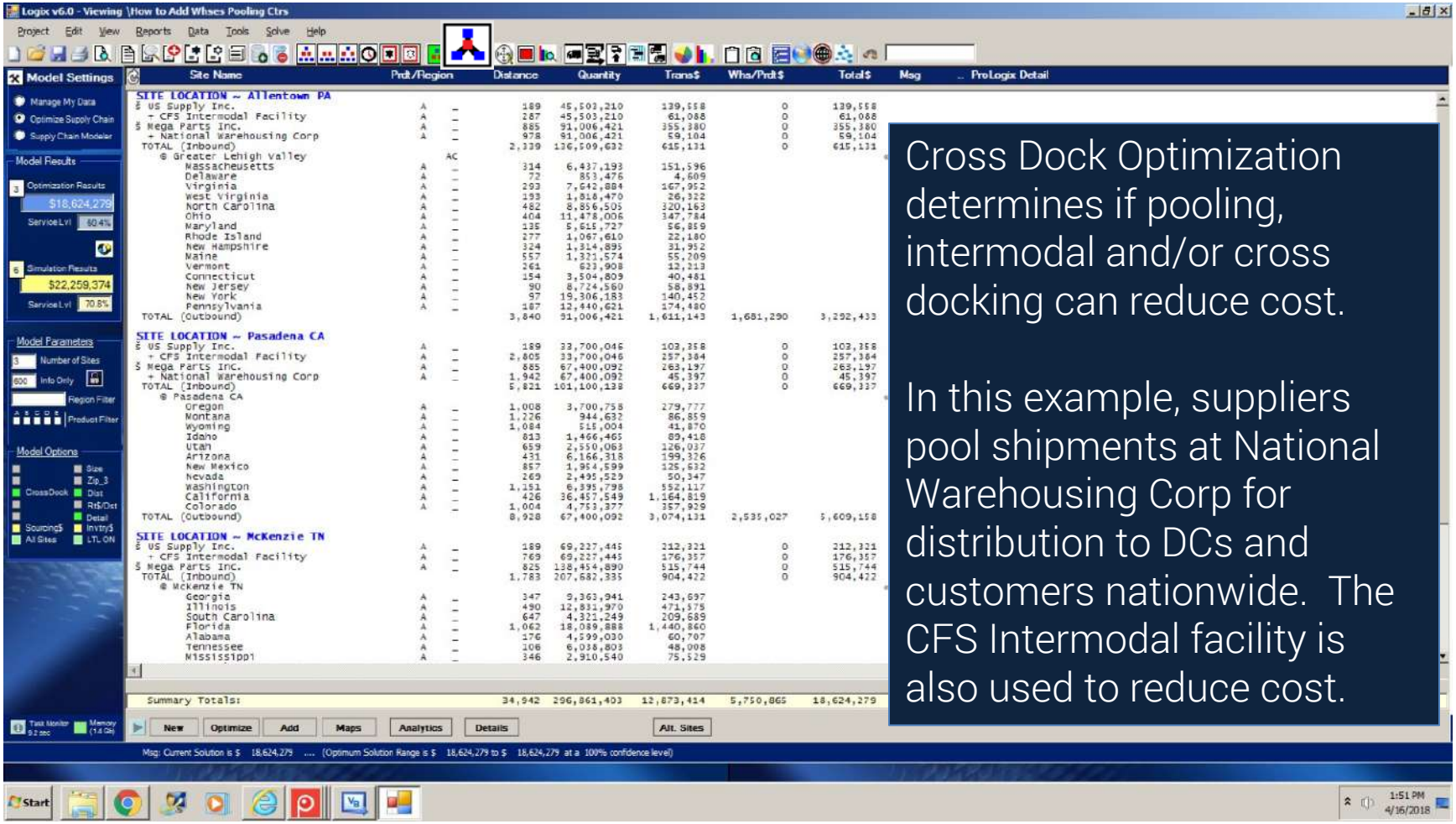
Pooling and Cross Dock Optimization

Cross Dock optimization lets you optimize pooling centers and cross docks as well as intermodal facilities and in-transit sites.

Logix uses proprietary Cross Dock and Multi-Echelon algorithms to do this.



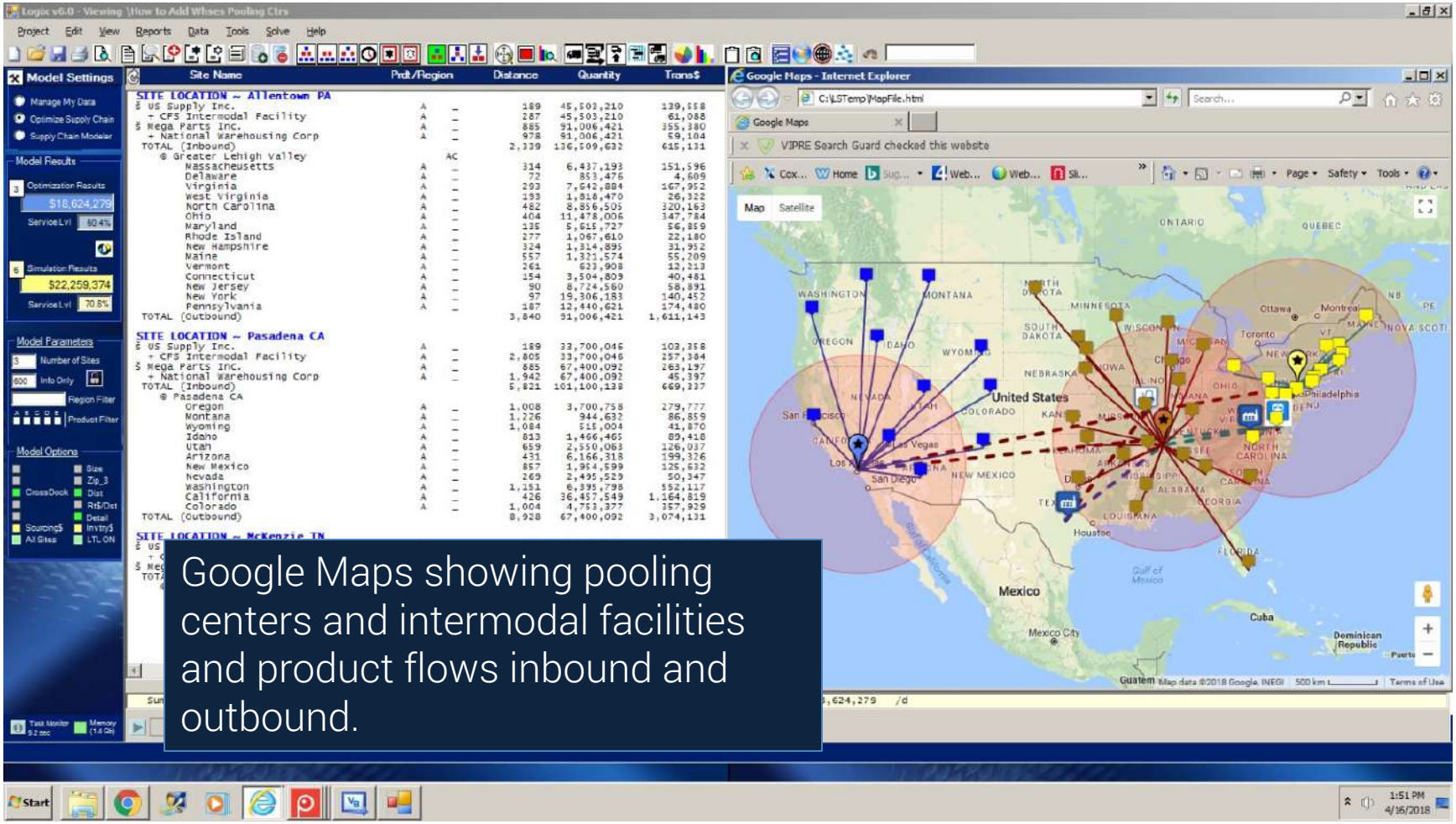
Pooling and Cross Dock Optimization



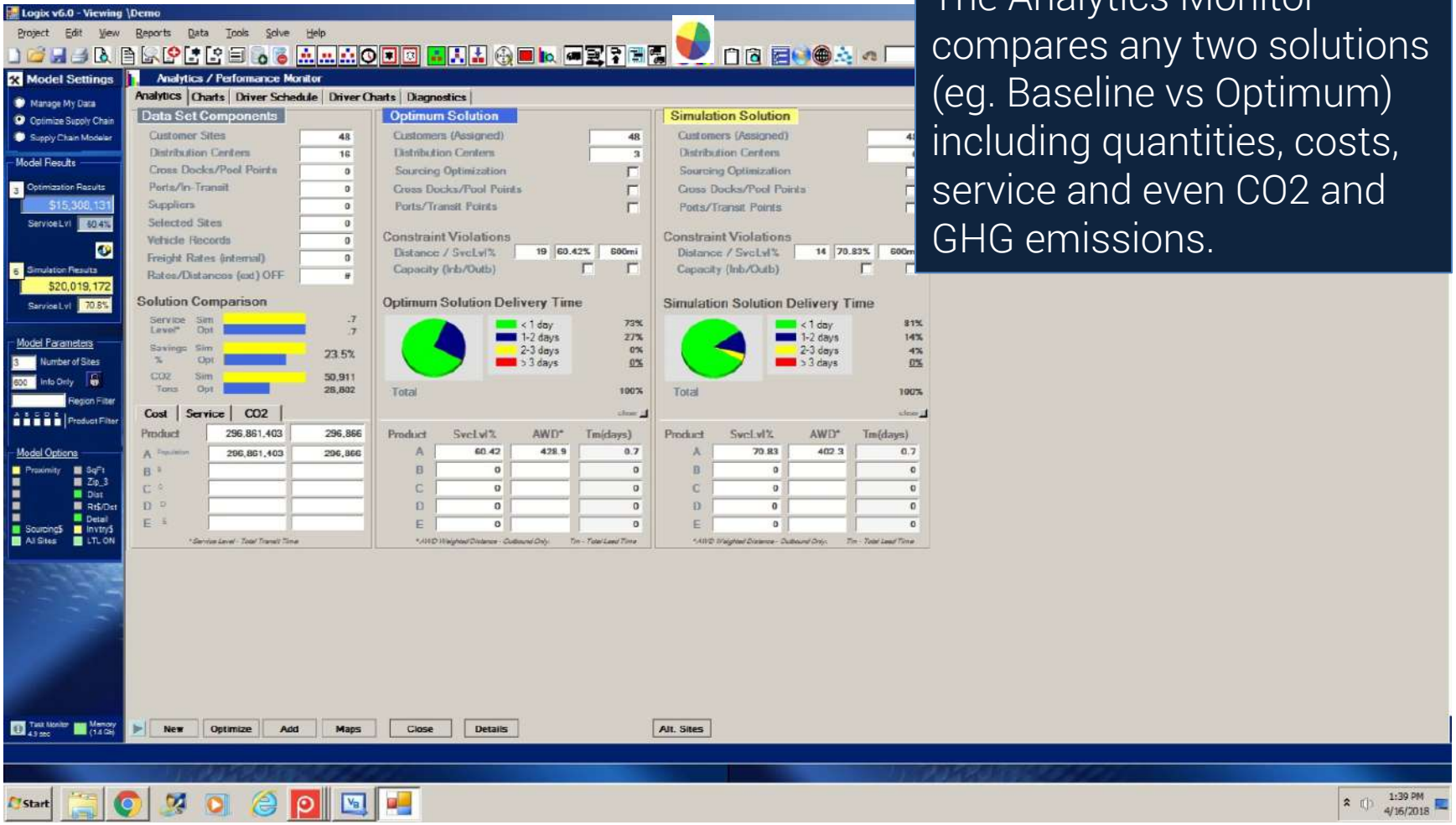
Cross Dock Optimization determines if pooling, intermodal and/or cross docking can reduce cost.

In this example, suppliers pool shipments at National Warehousing Corp for distribution to DCs and customers nationwide. The CFS Intermodal facility is also used to reduce cost.

Pooling and Cross Dock Optimization

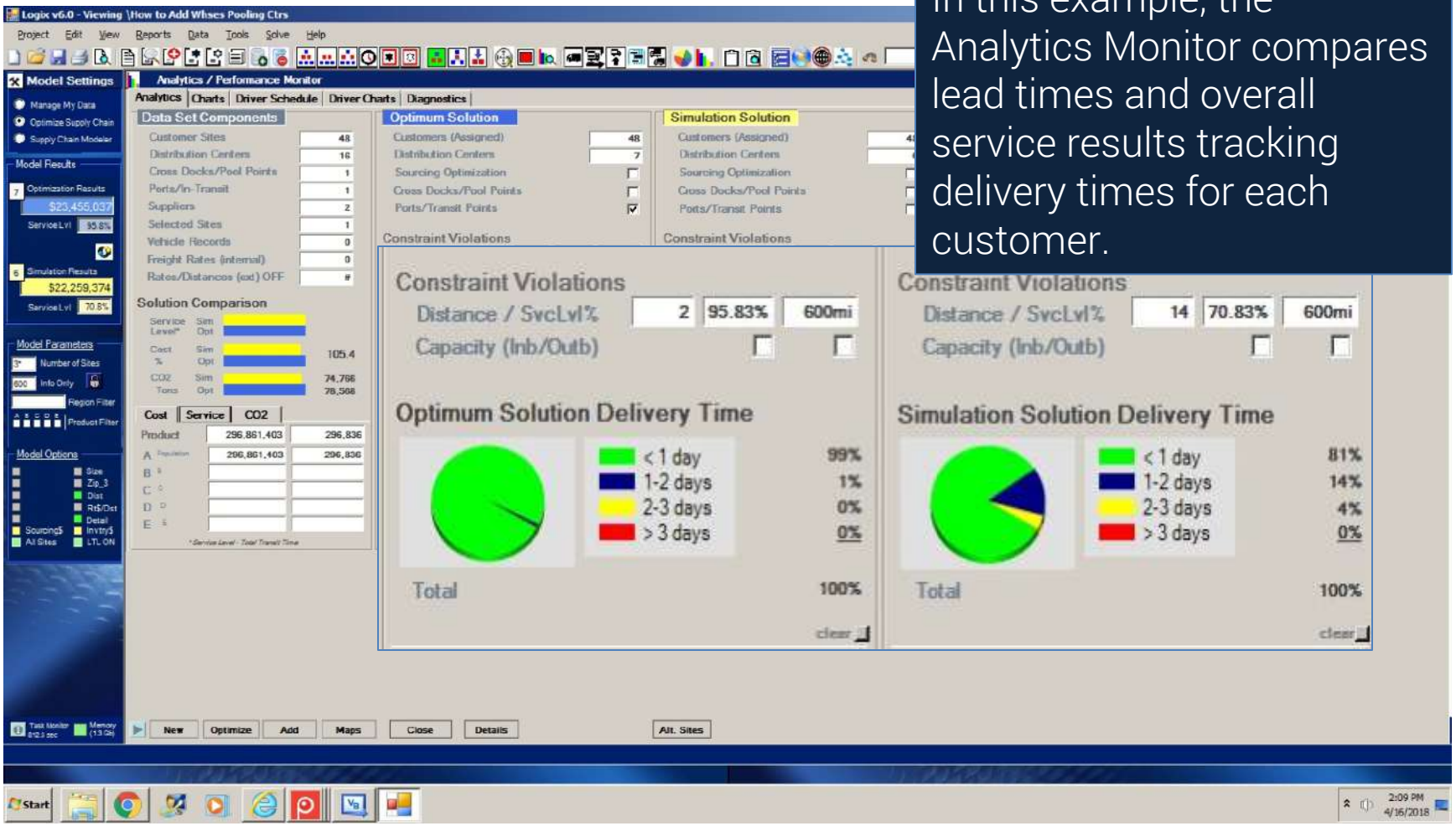


Analytics Monitor and Metrics



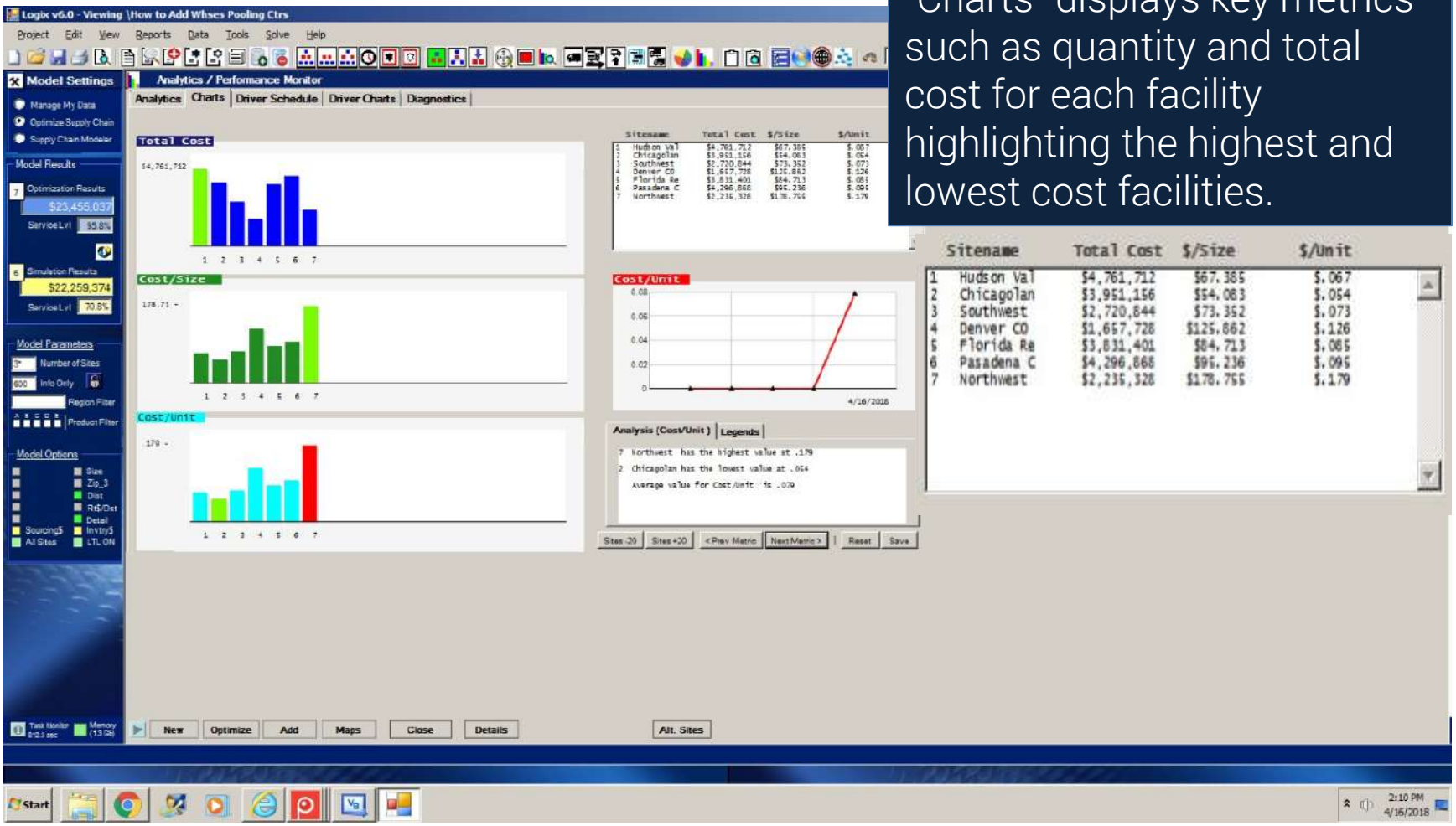
The Analytics Monitor compares any two solutions (eg. Baseline vs Optimum) including quantities, costs, service and even CO2 and GHG emissions.

Analytics, Charts and Metrics



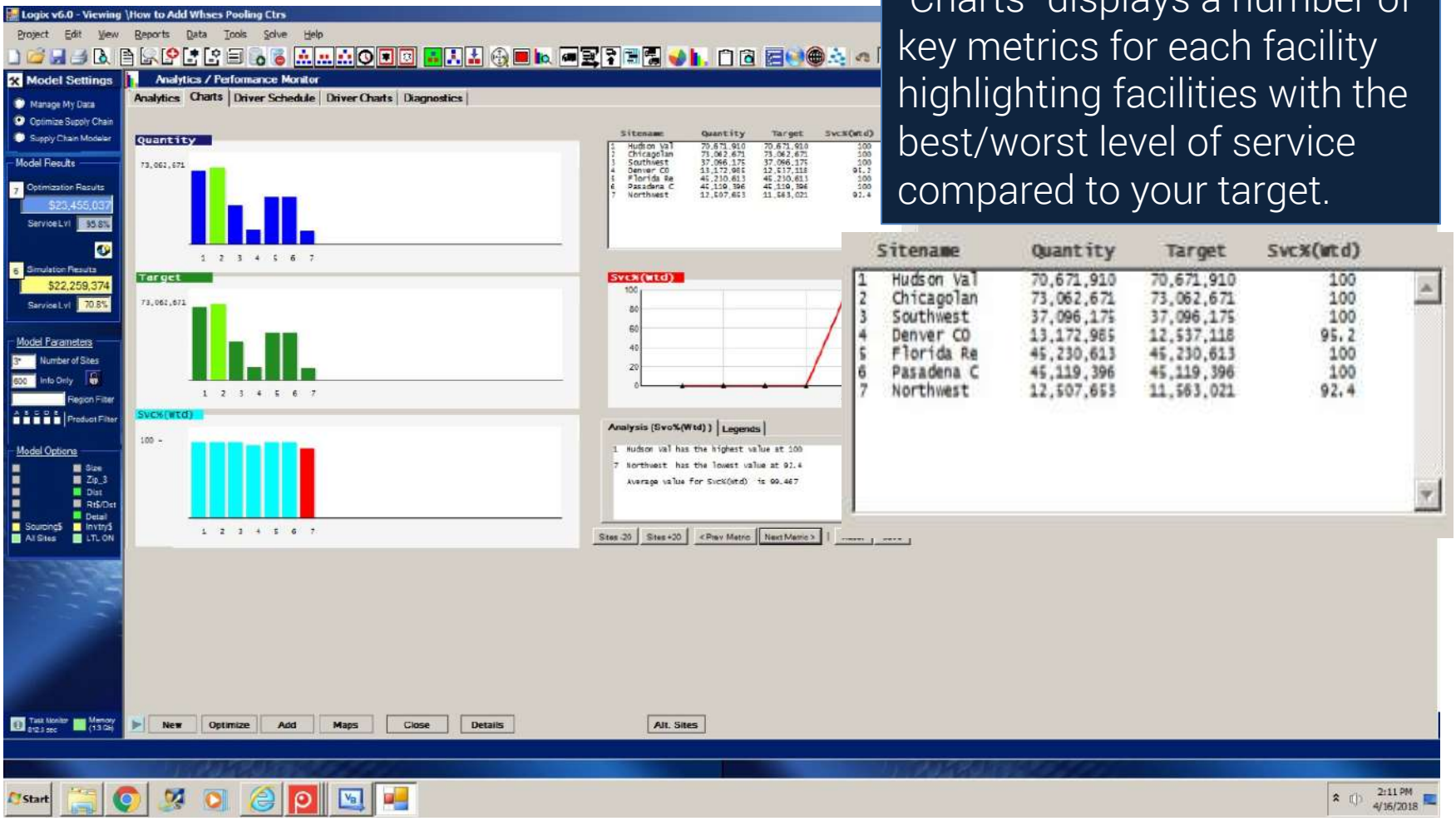
In this example, the Analytics Monitor compares lead times and overall service results tracking delivery times for each customer.

Analytics, Charts and Metrics



"Charts" displays key metrics such as quantity and total cost for each facility highlighting the highest and lowest cost facilities.

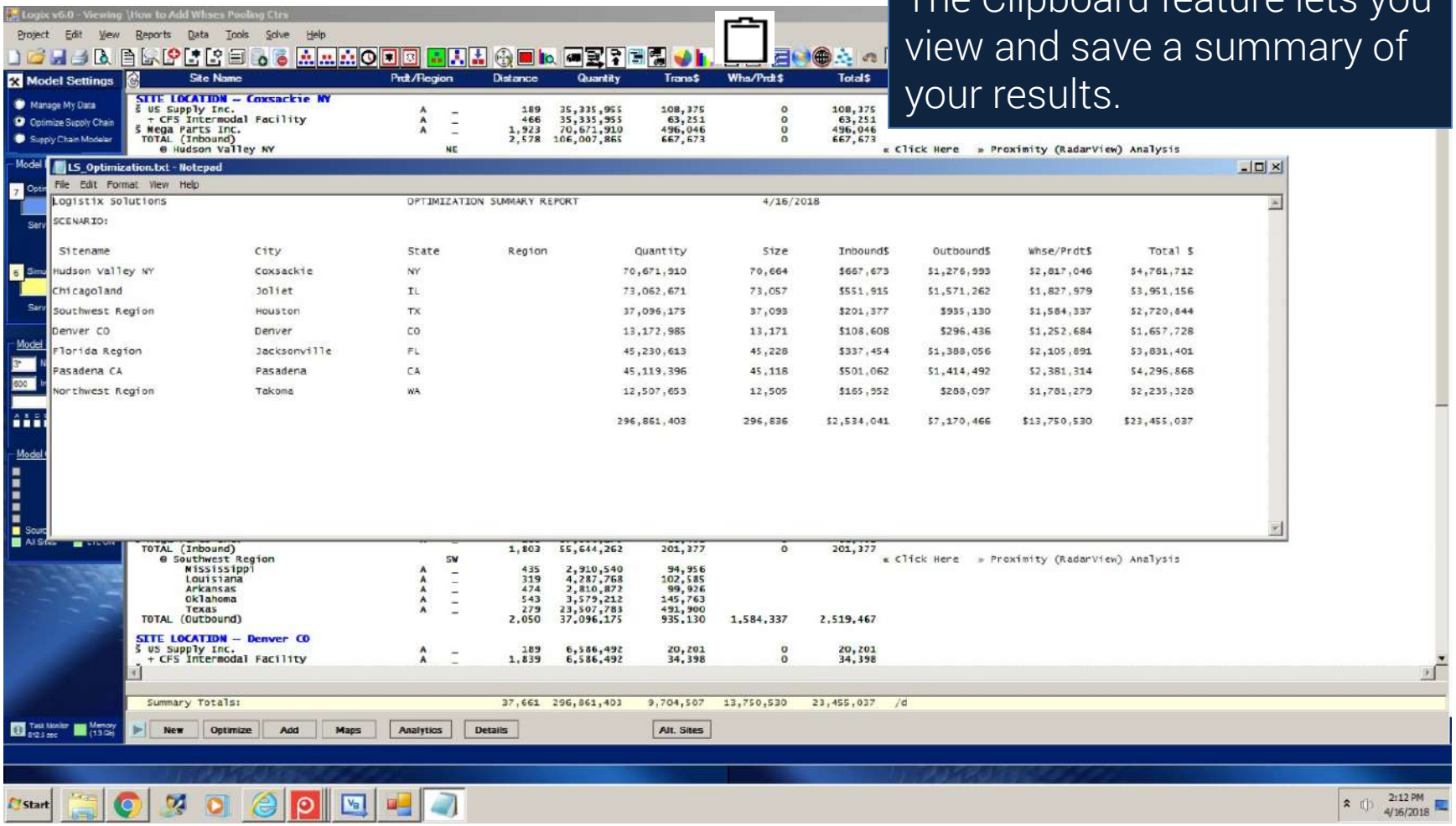
Analytics, Charts and Metrics



"Charts" displays a number of key metrics for each facility highlighting facilities with the best/worst level of service compared to your target.

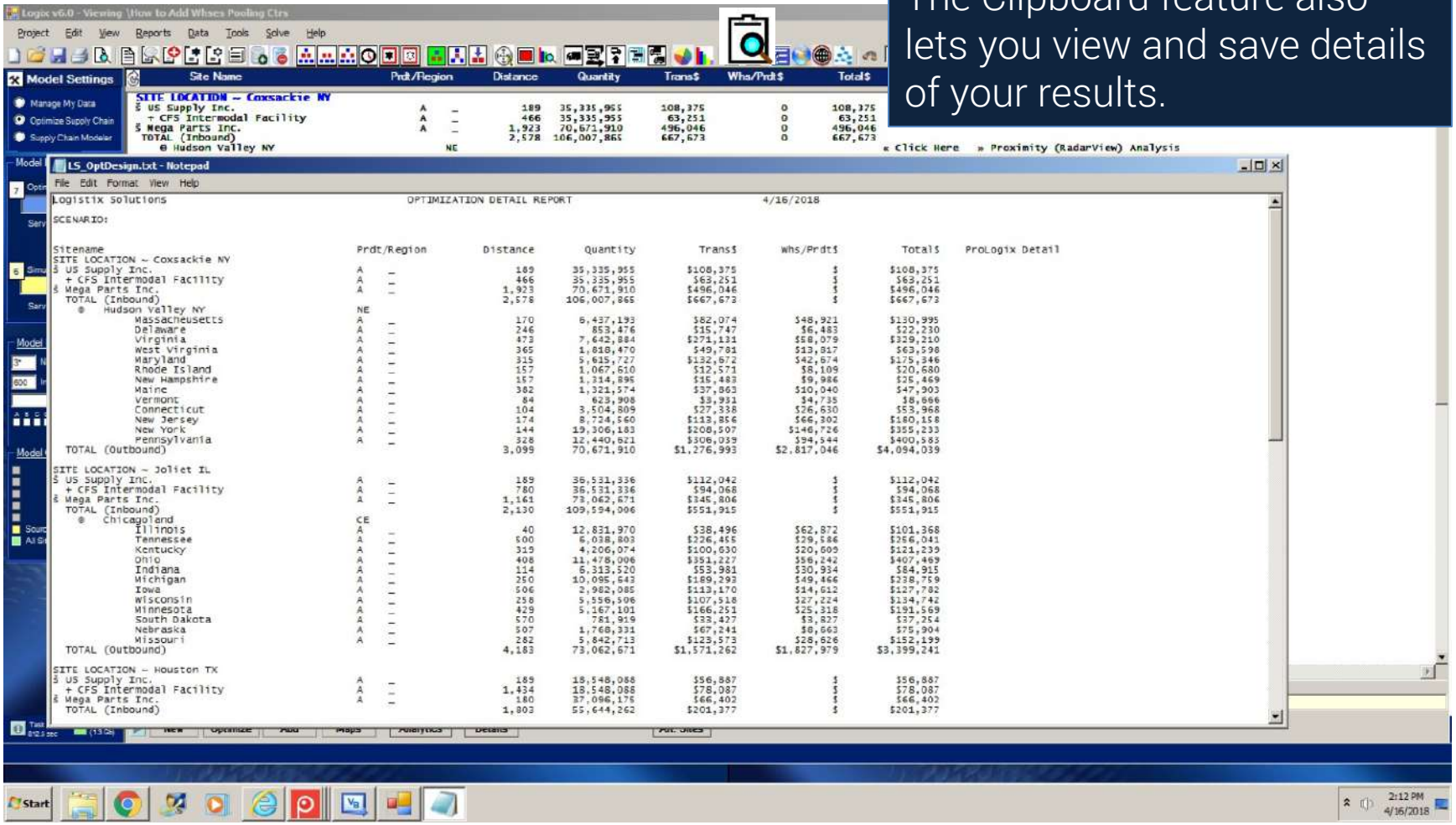
Summary Level Reports

The Clipboard feature lets you view and save a summary of your results.



Detail Level Reports

The Clipboard feature also lets you view and save details of your results.



Demo vs Logix and ProLogix Versions

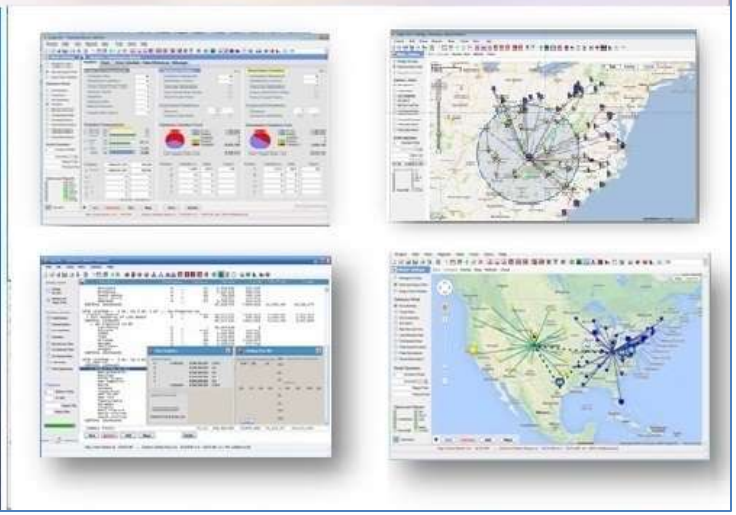
Logix Demo Version provides many of the same features of the Professional Version but with a few limitations.

Download the Free Demo Version Today and see why Logix is the choice of Logistics Professionals worldwide.

Demo Version vs ProLogix

o Maximum Distribution Centers:	16 vs 250 Logix, ProLogix 500
o Maximum Customers/Demand:	100 vs 2500 Logix, ProLogix unlimited
o Maximum Product Categories:	1 vs 25
o Maximum Products/SKUs:	5 vs 2500 Logix, ProLogix unlimited
o Maximum Freight Rates:	5 vs 2500

- o 3-Digit ZipCode Geocoding vs 5-Digit and International Geocoding
- o Single Service Radius vs DC Specific Service Radius by Product Category
- o General Freight Rates (incl. Regional, Zip, Mileage, Land) vs LTL Freight Rates
- o No Excel Data Import - Demo Data and Screen-Based Data Entry/Edit
- o No Simulation and Optimization Solution Export
- o No RLS (Reverse Location Selection) Modeling
- o No MicroSoft MapPoint Interface (Google Maps are standard)



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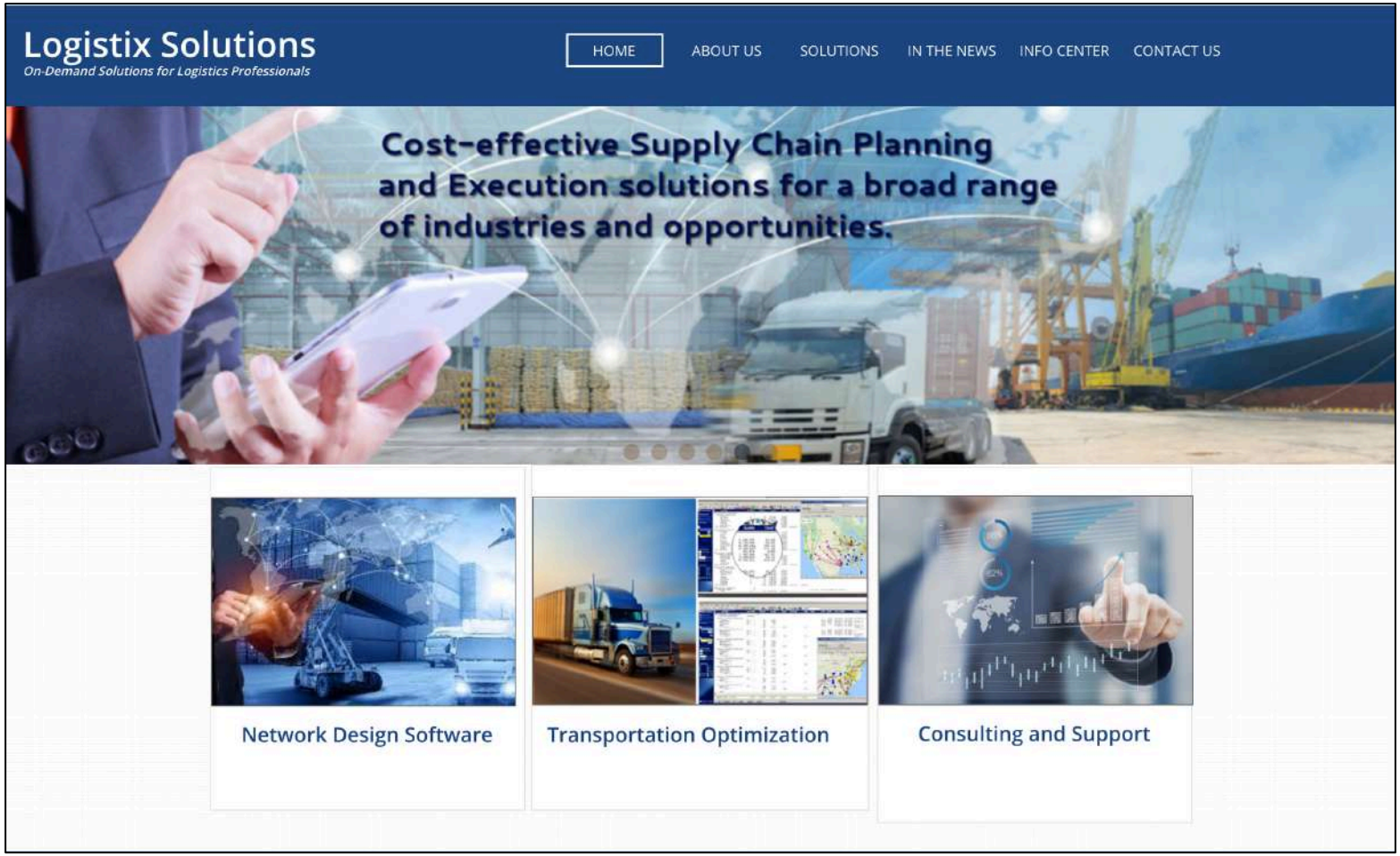

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