

# SADDLE POINT TECHNOLOGIES

## Cloud Based Integrated Supply Chain Planning and Optimization Suite

Building Operational Efficiency in Complex Supply Chains



### Facility Location Optimizer

# Saddle Point Technologies offers an integrated cloud based supply chain planning and optimization suite that are used for optimizing complex supply chain planning processes.

- Addresses processes like Sales, Distribution, Production and Procurement
- Caters to Strategic, Tactical and Operational levels of planning
- Extremely easy to use with spreadsheet like functionalities
- KPI dashboard for industry standard Supply Chain metrics
- Cloud solution with a SaaS offering
- Integrated with leading ERP systems like SAP, Netsuite and Exact

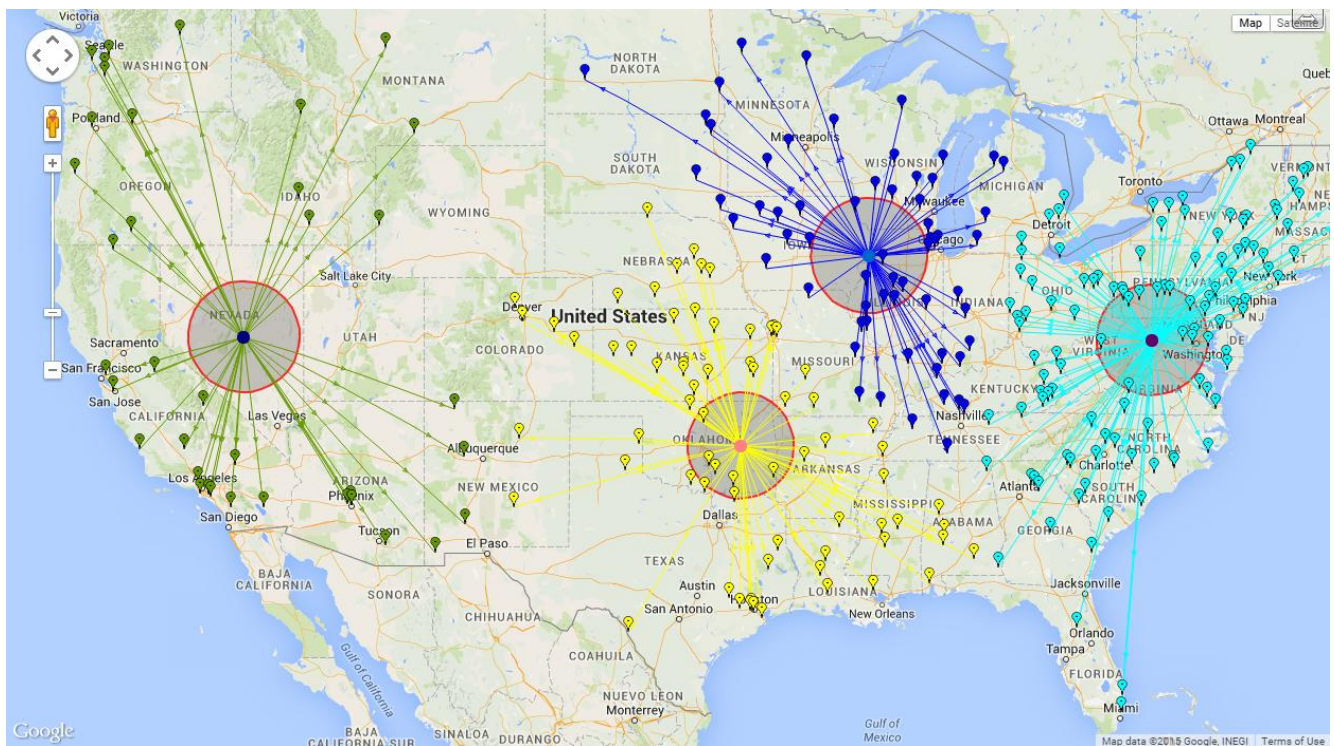
<p><b>SCP Cloud Suite</b></p>  <p>Cloud based end-to-end integrated Supply Chain Planning and Optimization Suite with a SaaS offering.</p>	<p><b>Demand Planner</b></p>  <p>Collaborative Demand Planning with Forecasting, Promotions Planning, NPI and Sentiment Analysis modules.</p>	<p><b>Supply Chain Optimizer</b></p>  <p>Generate a low cost fulfillment plan by reducing supply chain costs like production, transportation, inventory and procurement .</p>	<p><b>Inventory Optimizer</b></p>  <p>Reduce inventory cost by determining optimal inventory levels based on SLAs, lead time and demand and supply variability.</p>
<p><b>Procurement Optimizer</b></p>  <p>Minimize total procurement cost across all vendors by considering volume discount and constraints like Lot size, MOQ, Min-Max quota</p>	<p><b>Production Planner</b></p>  <p>Generate capacity and material feasible production plans (Rule based Heuristics) or optimal production plans (Optimizer based)</p>	<p><b>Transportation Optimizer</b></p>  <p>Minimize total transportation cost by using fleet capacity efficiently, consolidating loads and better rake/truck requirement planning.</p>	<p><b>Production Scheduler</b></p>  <p>Create constrained production schedule with make span minimization based on job shop, flow shop and hybrid layout.</p>
<p><b>Vehicle Route Planner</b></p>  <p>Generate feasible and optimal routes based on constraints like delivery time windows, pickup or delivery, vehicle capacity etc.</p>	<p><b>Workforce Optimizer</b></p>  <p>Allocate workforce optimally to multiple projects based on resource costs, skill-set levels, learning curve, transition cost.</p>	<p><b>Shift Scheduler</b></p>  <p>Generate a feasible shift schedule by adhering to shift assignment rules like maximum consecutive night shifts, forbidden shifts etc.</p>	<p><b>Facilities Planner</b></p>  <p>Find the best location for a new plant or warehouse from a list of candidate locations that optimizes the supply chain.</p>



## Facility Location Optimizer

Facility location optimizer is used to find the best location for plants and warehouses so that the total supply chain costs are minimized and a low cost supply network is designed.

Existing facilities can also be rationalized based on demand shifts and changes in cost structure.



A special feature called the candidate simulator simplifies the selection of candidate locations based on practical aspects.

Analytical reports like the marginal cost analysis reports give a detailed analysis of the cost savings in the supply network.

## Features:

- The entire network like Suppliers, Plants, Distribution Centers and Customer locations are considered for planning
- Location of both manufacturing plants and distribution centers can be optimized
- Simulation of candidate location based on statistical analysis and clustering analysis
- Various cost elements like sunk costs, fixed and variable costs and proceedings are considered
- Delivery service levels and transportation lead times are considered
- Integrated with maps, optimization and analytical framework
- Used for opening new locations or rationalizing the existing network
- Marginal cost analysis can be done for the network

