COST2SERV

Supply Chain Design and Analytics

COST2SERV has been developed to help companies gain a greater understanding of their supply chain and to identify the most profitable distribution strategies.

Designing your supply chain to achieve maximum returns requires the ability to identify opportunities, limitations and constraints. Such insightfulness requires experience, and also a toolset that has the agility to get at the heart of the business challenge. COST2SERV offers the solutions designer the means to create operational differentiation, control cost and build competitive, resilient supply chains.

COST2SERV projects do not require IT integration, data can be exchanged using simple drag and drop between excel spreadsheets. COST2SERV comes with its own maps and route information. Powerful algorithms optimise the model identifying the best solution whilst also suggesting alternative options. Rich graphs, maps and tables provide the user with easy to interpret data. The result is a toolset that is easy to use and enables business benefits to be realised in a short timeframe.

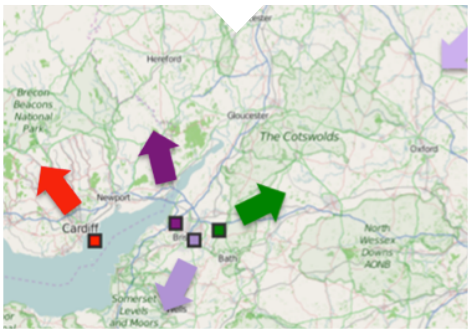
Cirrus Logistics offers solutions for end to end supply chain design, supported by a team of experienced solutions design experts. Whether you are a 3PL provider or run your own in-house logistics, COST2SERV enables you to develop the best network strategy to meet your supply chain needs.

BENEFITS

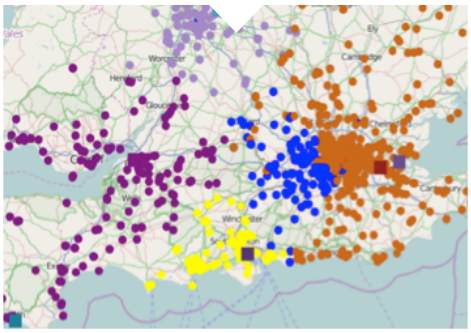
- Unlock hidden profits
- Create competitive distribution strategies
- Understand the profit and cost dynamics of your network
- Identify the most profitable markets to target
- Enhance your customers supply chain experience
- Plan for black Friday events, increase your supply chain resilience
- Manage growth safely and profitably
- Understand the true cost of procurement
- Find the best location for your warehouse
- Calibrate network capacity to meet demand
- Alleviate bottlenecks and points of congestion
- Make your supply chain a competitive differentiator

Source

Depot



Customer



True cost of procurement; compare different sources and procurement options, based on cost to purchase plus cost of transportation, to find the most cost efficient supplier. Understand the impact on the network of purchasing volume decisions and calculate the optimal product storage locations based on geographic demand.

Depot Optimisation; determine the optimum number and location of depots in the network, that reduce cost and maintain service level performance. If you are merging supply chains, extending an existing supply chain or creating a new supply chain, COST2SERV will assist you to compare different operating scenarios. Alternatively, use the optimisation engine to find the best recommended solution. Different supply chain criteria can be included in the algorithms cost, proximity and volume being examples. The recommendations can be displayed on a map, trends can be shown on a graph, and the details viewed in supporting spreadsheet.

Vehicle Optimisation; identify the correct number of vehicles in the network, where they should be based and how many drivers are required can all be calculated in COST2SERV. Demand profiles can be compared against vehicle types and movement constraints for each customer and depot.

Cost & Margin Optimisation; COST2SERV analytics enables businesses to understand the cost and margin dynamics of the supply chain in order to devise strategies which provide competitive advantages. The optimisation engines can perform cost based evaluations and identify opportunities for increasing profit.

Sales Opportunities; understand the capacity details of your supply chain provides the sales teams with the opportunities to quickly understand the network impact of adding new customers. Network information can be used to target the most profitable customer accounts and regions.

FEATURES

- Multi-echelon supply chain analysis
- Calibrate the supply chain on margin and cost
- Model volume and capacity dynamics
- Multi-modal supply chain options
- Centre of gravity modelling
- Carbon emissions modelling
- Clustering algorithm
- Optimisation algorithm
- Multi-drop algorithm
- Cost to serve optimisation
- Inbuilt map and distance data
- Scenario comparison
- Easy data exchange
- Results available in map, graph and spreadsheet view

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