

BOSS

For an optimal logistics network

Do you ever ask yourself whether you are supplying your customers via the right distribution centre? Or do you think you might be better with your depots located elsewhere? Do you have a surplus of storage space following a fusion? Then, BOSS, the supply chain optimizer by ORTEC, is the ideal solution for you. Using this system, ORTEC will work out the best strategy for you to set up or restructure your logistics network.

BOSS was developed in cooperation with an oil company for supplying gas stations from various depots and refineries. Using the system, ORTEC studied which gas stations must be supplied from which depots in order to save as much as possible on the costs.

BOSS currently offers the possibility of modelling entire supply chains and logistics networks and calculating: from production locations via one or more intermediate/transshipment locations to the final delivery address of the product. BOSS distinguishes between various facilities such as production locations, depots, distribution centres, sorting stations, hubs and transshipment locations.



Analysis of current situation

BOSS offers the solution in determining your logistics strategy. Changes to the road network, expansion of your customer database or other outlet can be reasons for looking at your current strategy. The system shows you the bottlenecks and opportunities in your network. You can then analyse various measures and then decide what suits you best. This can vary from changing routes to opening or closing new depots or distribution centres.

Calculating plans for the planning

As well as analysing your current situation, it is also possible to calculate your future plans. What to do with extra depots following a fusion? Is it worthwhile to refer your customers back to the depots? What happens if you change your delivery times? It is easy to enter these and other scenarios into BOSS and it is possible to clarify the consequences of a strategic decision based on this.

Various scenarios

BOSS can be used to calculate the optimal solution to a certain situation. You can use your own situation as a starting point but greenfield scenarios can also be calculated. It is of course, possible that you are not satisfied with the solution for practical reasons. In any case, a number of alternative scenarios can be calculated to see what the consequences are. This way you can decide yourself the direction of your unique supply chain.

What can BOSS do?

- determine the optimal number, size and location of all kinds of facilities
- calculate the main points within sales areas
- calculate synergy effects in the integration of distribution networks
- report Key Performance Indicators such as total distribution costs, costs per unit, volume per stop
- answer various "what if" questions

What does BOSS take account of?

When determining the optimal locations and (transport) flows, BOSS takes account of the following, among others:

- demand and number of deliveries from end users/customers
- availability of products at various sites
- costs of production, handling, supply, distribution and administration
- capacity of each facility
- distances and travelling times between various locations based on a digital network
- maximum delivery times between all links in the chain
- fixed and variable loading and unloading times per location
- vehicle park available

Reports

Naturally, you want to substantiate a strategic policy with reliable figures. BOSS has a range of management reports especially for this purpose. BOSS can calculate

key figures such as number of volumes per customer or distribution centres, number of trips and stops and total costs. These figures are of great importance in making a sound decision.

Graphic display

The consequences of changes to the distribution network are displayed on a chart showing not just in figures but also graphically and directly what the differences are between the scenario's. By pressing the button, you can add or delete information from the chart depending on the level of detail in which you wish to view the situation.



Simple import

BOSS has an interface for simply importing data from your own database and has no problem with details in Excel.

Who was there before you?

Various companies such as TNT, BP, DHL and ACR Logistics have been using ORTEC and BOSS expertise for several years.

More information

Would you like more information? Please contact us to arrange a meeting, free of any obligation. Our team of professionals would be pleased to show you our advanced planning software and associated services.

www.ortec.com

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