

CQM Supply Chain Management

Accessible tailor-made solutions for the optimal logistics chain

Improving your supply chain delivers major benefits. But the optimization process is often time-consuming and expensive. And rather than make choices based on vague speculation, you want reliable data on which to ground your decision. This is CQM's area of expertise: a smart, fact-based optimization of your logistics chain. Flexible and accessible tailor-made solutions for everyone.

Designing or redesigning your supply chain is a major step. It involves strategic decisions with far-reaching financial and organizational repercussions. Where should you manufacture for which markets? How many distribution centres do you need? Where should you locate them and how should they be configured? What are the implications for your stock and how should you organize your transport? These are critical decisions that call for a rock solid rationale.

Fact-Based

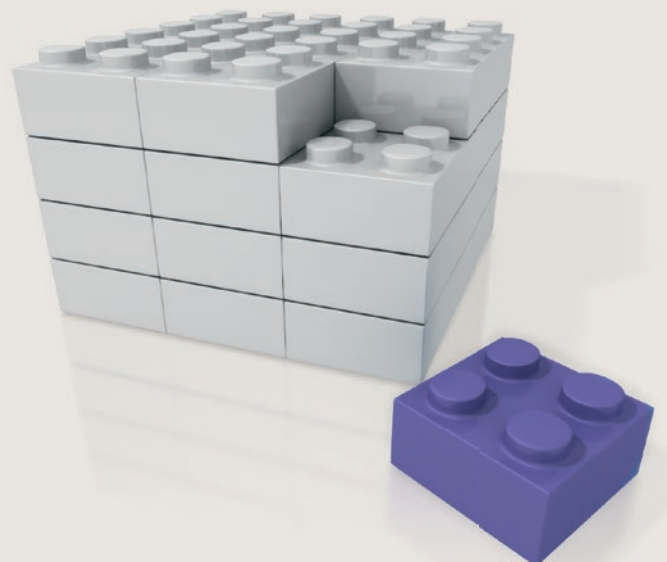
CQM will support you in the design and management of your logistics network. We do this on the basis of quantitative data, working closely with you and your specialists. Together we identify the variables we need to take into consideration. We then collect and analyze information about your products, the production process, warehousing, transportation, market demand and market requirements. We also take account of future developments such as new products, changing market demand and cost trends. We process all this data through computational models. Either running the various scenarios separately; or identifying, with or without constraints, your ideal network. Either way, one thing remains certain: you know you will be making facts-based decisions based on hard data.

Accessible

Based on years of experience and extensive knowledge of mathematical models, we have developed the modules for supply chain optimization. By putting together the appropriate combination of modules, we can address your specific needs. Giving you access to tailor-made advice.

Experience at the highest level

CQM has over 25 years of experience in optimizing logistics networks. Clients like Philips, NXP, ASML, Dorel, Heineken and DeliXL are full of praise for our empathy for the client, our quantitative analysis and our ability to translate hard data into concrete, actionable recommendations. Experience we utilize in our work for all our other customers, both large and not so large.



Customized solutions as standard

CQM provides tailor-made advice. Ensuring you are well-informed enough to make the right decisions. And because we can apply our standard modules flexibly to your specific situation, we not only save you time but also money. We have modules covering four areas of supply chain management.



Transport

Identification of factors such as...

transport costs of distribution network: inbound, intra and outbound.

Taking into variables such as...

distances and travel times; delivery times; fleet; loading and unloading times; modes of transport; and diverse cost types.

Resulting in benefits that include...

optimal make-up of transport system, including preferred modalities.



Warehousing

handling costs and costs of holding inventory in DCs.

warehouse activities, available space and layout; fixed and variable costs.

optimal number, location and capacity of DCs.



Stock

required stock levels based on pre-set criteria and assortment categorization.

required reliability and delivery times; minimum order quantities; demand patterns; cost of working capital.

optimal configuration of stock items and required stock.



Production

where to produce which products for which markets.

current and future production sites, and associated capacities and costs.

optimal allocation of products to production sites.

Based on our extensive experience and knowledge of quantitative methods, we use our know-how to combine these modules to model your supply chain. And the standard modules can also be easily modified or extended. Taking into account circumstances and other relevant issues, together with you we decide on your best decision model: an optimization model or a calculation model.

Optimization Model

There are sometimes a great many possibilities, and in such cases we use an optimization model to search for the ideal logistics network. This is done based on selected performance criteria, such as minimizing costs; and on preconditions, such as a pre-set service level or finite production capacity. The result is a blueprint for your optimal supply chain.

Calculation Model

If there are relatively few options, or a few promising options that need to be analyzed in more detail, we use calculation models. These let us show the effects of changes in supply and demand, and in the structure or management of your supply chain. These simulations provide insights at a detailed level into the consequences of various options and variables.

CQM doesn't believe in making the process unnecessarily complex. Instead we offer you an accessible way to benefit from a quick, tailor-made solution that will identify your optimal logistics chain.

For more information please visit www.cqm.nl or call **+31 40 750 23 23**.



www.cqm.nl