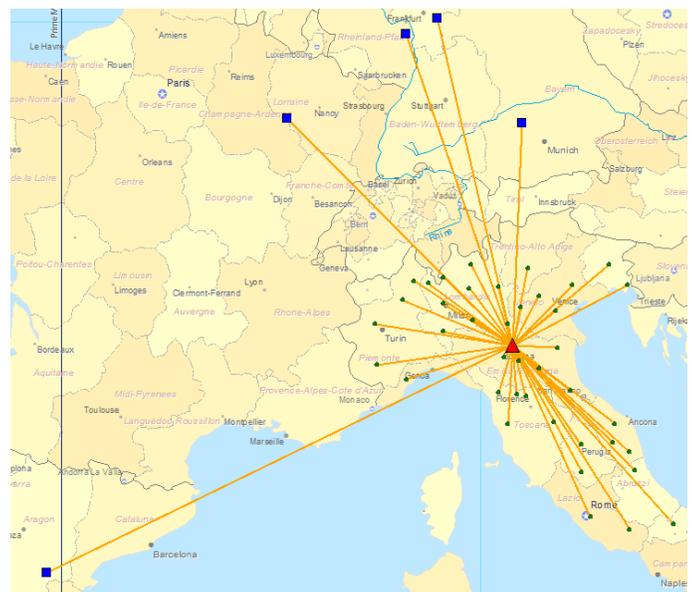


Modelling and Optimizing Networks in Production and Logistics

Our engineering consultancy uses LLamasoft Supply Chain software to assess the business case of your medium-sized enterprise.

Benefits for your business:

- Optimizing the inbound and outbound flow of goods
- Evaluating new production and logistics sites
- Using big data to analyse different scenarios
- Addressing cost drivers
- Reducing complexity
- Increasing the utilization of plants
- Identifying key in-house processes and potential for outsourcing
- Assessing risks and opportunities realistically



Modelling and optimization help you to assess the consequences of a decision before you implement it.

- We model the supply chain of your production network – inbound and outbound.
- We visualize the flow of goods from their origin to their target markets.
- We use the initial situation as a baseline, against which we can compare potential future scenarios.
- For each scenario, we evaluate the impact of changes to the supply chain set-up on overall logistics costs, such as for personnel, procurement, transport, storage, or inventory.
- We use algorithms to calculate optimized service levels and costs for each of the different scenarios in the model.
- Our consulting engineers will advise you on the likely consequences of your sourcing or location decisions.

Supply Chain Innovations GmbH case studies

PROCUREMENT

A manufacturer of cleaning products with logistics costs in the three-digit million range was looking for ways to reduce costs quickly, without having to close factories. They wanted to see quick wins within two years. Through our modelling process, we found that by shifting the flow of goods, it was **possible to save 8% of the logistics costs in the short term.**

GOODS DISTRIBUTION

A Swiss chemicals group with a logistics budget of around 150 million Euros reviewed its distribution as part of a strategic realignment. Instead of supplying hazardous chemical goods directly from the factory, the company introduced regional distribution centres, thereby **cutting total logistics cost by 19%.**

SPARE PARTS LOGISTICS

When the Swiss National Bank abolished the Euro's minimum exchange rate and the Swiss Franc shot up almost 20%, a medium-sized Swiss medical technology company moved its production to Slovenia. However as a result, the supply of spare parts, which had relied on the previous network, was no longer ensured. Following our analysis, **eight regional warehouses were closed.** They were replaced by one central warehouse and **vendor-managed inventories for key accounts.** The supply of spare parts was stable again.



Your consulting engineer:

Dr. Gunther Krell, Managing Director

Logistics and innovation management expert

Past experience incl.: Head of Product Development, DHL Logistics and Head of SCM Services (4PL), Kuehne & Nagel

Core competencies: Supply Chain, Network Optimization, Smart Logistics

Dr. Krell is a lecturer for supply chain management at the ETH Zurich and at the Lucerne University of Applied Sciences. Insights from his research are currently being integrated into a risk management project, in which critical supply chain elements are determined by using big data analytics on a company's network model.

Supply Chain Innovations GmbH is a Swiss engineering firm for Smart Logistics, which has been optimizing product flows and network locations since 2010.



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