PRODISI SCO

The Planning and Information System for Supply Chain Networks

PRODISI SCO is a powerful software tool ideally suited for logistics managers to analyze, (re-)design and optimize enterprise distribution networks.

PRODISI SCO compiles all relevant business data and supports the evaluation of complex supply chain structures and processes on a detailed cost basis:

- Independent decision support and planning system specifically for the logistics management
- Sophisticated algorithms for a wide range of supply chain optimization problems (sourcing, capacities, warehouse locations, delivery areas ...)
- Scenario technique to easily build and compare different supply chain network models ("what if" analysis)
- Operates on desktop PCs as well as on notebooks

PRODISI SCO visualizes and quantifies supply chain structures, processes and costs

PRODISI SCO Supply Chain Optimization

PRODISI SCO enables a cost-based optimization of distribution structures and processes, concerning – among others – the
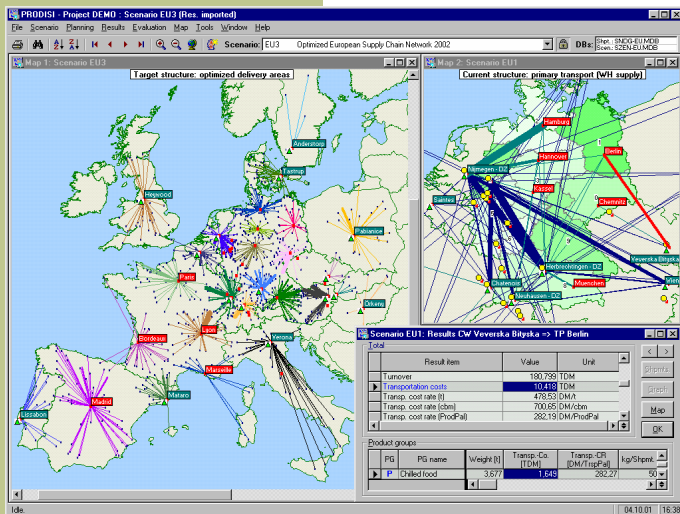
- Number of stages for storage and transport
- Number and locations of sourcing units, warehouses and transshipment points
- Capacities and product assortments of each site
- Allocation of production quantities to sourcing units
- Delivery areas and vehicle fleet sizes for all dispatching sites
- Direct customer deliveries from factories / central warehouses
- Strategies for warehouse replenishment

PRODISI SCO Benefits for Industry

- Strategic design and optimization of supply chain networks
- Detailed control of all relevant logistic costs
- Exact calculation of synergies in case of a logistic cooperation or merger
- Quick and comprehensive analysis, evaluation and comparison of tenders submitted by logistics service providers (tariff benchmarking)

PRODISI SCO Benefits for Logistics Service Providers

- Standardized analysis and cost evaluation of shipment data submitted with calls for tenders by potential new customers
- Efficient and detailed tender processing
- Optimized supply chain design and operations to maximize synergies between all customers' businesses
- Strategic adaptation of enterprise structures and processes to market changes (e.g. acquisition of new customers)

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PRODISI SCO Advantages

Your supply chain will highly profit by PRODISI SCO's optimization capabilities:

- Minimize and control all supply chain related costs
- Detect and fully utilize all synergies and economies of scale
- Thoroughly prepare and present strategic decisions by yourself
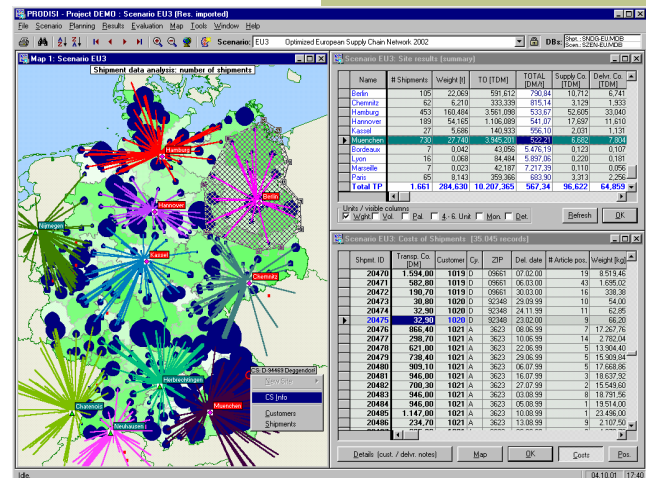- Gain efficiency and analytical skills as a competitive advantage

PRODISI SCO Features

PRODISI SCO is being further developed and permanently improved since 1985. It provides unique features originating from its numerous applications:

- Uses basic delivery note data imported via standardized interfaces (e.g. from SAP® systems) or databases, respectively
- Models and simultaneously optimizes multi-stage networks
- Differentiates several products / product groups
- Calculates and evaluates on a per-shipment basis
- Supports arbitrary – especially non-linear – cost functions to model real freight tariffs and handling / storage costs
- Processes six cost-driving quantity units per shipment in parallel (e.g. weight, volume, pallets, picked units ...)
- Integrates a simulation of truck tours for the calculation of realistic customer delivery costs
- Incorporates a detailed geographical database for address geocoding, distance calculation and map display
- Provides a variety of reporting and data exchange functionalities

PRODISI Software Suite

- **PRODISI CEP:** Specifically suited for forwarder and CEP service networks; supports complex decisions under tight time constraints like depot / hub configurations, direct vs. consolidated linehauls
- **PRODISI RET:** Design and optimization of retailer networks, dedicated supplier and outlet stage, planning of direct deliveries vs. crossdocking / transshipment / storage concepts
- **PRODISI Editor:** Add-on module for all PRODISI variants that generates shipment data and enables a detailed structural manipulation of historical demand data (e.g. adaptation to market changes, customer order frequencies / patterns)

PRODISI SCO provides access to all details of a modeled distribution network

- **PRODISI ASP:** With this „pay per use" licensing agreement you can analyze your data and edit / verify your models without limits, and you only purchase additional optimization runs when you need them (especially suited for consultancy companies).
- **PRODISI Consulting:** We provide consultancy services in the entire domain of logistic network optimization, including in-house applications of all PRODISI systems. Thus you benefit from our expertise, objectivity and experience.

If you are interested in PRODISI SCO ...

- Order a free PRODISI SCO trial version
- Confer your supply chain challenges with us
- Invite us for a PRODISI SCO presentation and discussion
- Order a PRODISI SCO workshop with your own enterprise data