Network Optimization

PRODISI CEP

The Planning and Optimization System for Logistics Service Provider Networks

PRODISI CEP is a unique software tool that supports logistics service providers to analyze, (re-)design and optimize their enterprise logistic networks:

- Specifically designed for the needs of Small Goods Carriers and CEP (Courier Express Parcel) Services

- Compiles all relevant business data and key figures in one system

- Sophisticated decision support and planning functionalities

- Ideally suited for network design (e.g. hub-and-spoke vs. matrix structure), consolidated / direct transport decisions ...

- Successful applications and implementations in international projects

PRODISI CEP models the entire logistic network, identifies all details of every single relation and balances costs and service requirements during optimization

PRODISI CEP

PRODISI CEP analyzes and optimizes CEP networks ("from customer to customer") based on all relevant costs and detailed service level requirements; it focuses – among others – on:
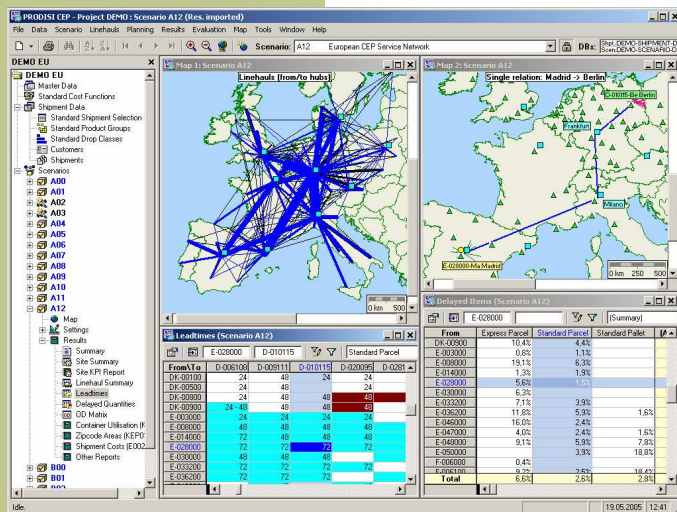
- Number and geographical locations of pickup and delivery depots as well as hubs

- Pickup and delivery areas and vehicle fleet compositions for all pickup and delivery depots

- Separation between direct and systemized volume flows taking into account costs and leadtimes (including the establishment of mid-term linehaul schedules)

- Planning of different linehaul paths for products with different service level requirements (if necessary)

- Utilization of different means of transportation (road, rail, air, water) and different types of containers (e.g. truck, trailer, swap body)

- Identification of problematical relations (delayed items)

PRODISI CEP Benefits for Small Goods Carriers

- Strategic design and development of existing transportation networks (incl. "classical" location and area optimization)

- Tactical control and adaptation of linehaul schedules

- Detailed control of costs and service levels

- Standardized analysis and cost evaluation of shipment data submitted with calls for tenders by potential new customers; efficient and detailed tender processing

PRODISI CEP Benefits for CEP Services

- Strategic and tactical optimization of consolidated transports

- Exact analysis of the interrelations between service requirements (e.g. 24h leadtime) and logistic costs

- Detailed evaluation of necessary arrangements before introducing new products

- Strategic adaptation of enterprise structures and processes to anticipated market and volume changes

PROLOGOS
Planung und Beratung
Dr. Gietz, Henneberg, Kindt OHG

Tempowerkring 4

21079 Hamburg

GERMANY

Phone   +49 (0) 40 79012 - 310
Fax   +49 (0) 40 79012 - 319

Web   www.prologos.de
Email   info@prologos.de

PRODISI CEP Advantages

Your transportation network will highly profit by PRODISI CEP's optimization capabilities:

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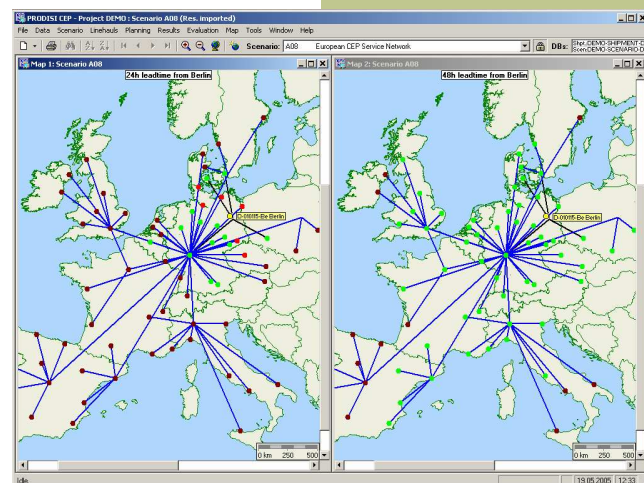- Gain efficiency and analytical skills as a competitive advantage

PRODISI CEP Features

PRODISI CEP provides all functionalities to analyze business data, model complex networks, evaluate different scenarios and present detailed results:

- Uses national and / or international shipment data (detailed as well as aggregated data); import via standardized interfaces or databases, respectively

- Handles multiple products (e.g. Standard, Express) and different types of shipped items (e.g. pallets, parcels, documents)

- Supports arbitrary – especially non-linear – freight tariffs and handling costs

- Schedules minimum-cost transports for the whole network or a part of it taking into account all parameters and constraints (like leadtimes, travel times, shift times, capacities etc.)

- Integrates a simulation of truck tours for the calculation of realistic pickup and delivery costs and key figures

- Incorporates a detailed geographical database for address geocoding, distance calculation and map display

- Provides a variety of result reports and powerful visualization tools

PRODISI Software Suite

- **PRODISI SCO:** Supply chain optimization for distribution networks (industry and logistic service providers); supports planning of locations and delivery areas, detailed control of all relevant logistic costs

- **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 CEP visualizes product and relation specific leadtimes on the map

- **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 CEP ...

- Order a free PRODISI CEP trial version
- Confer your logistic network challenges with us
- Invite us for a PRODISI CEP presentation and discussion
- Order a PRODISI CEP workshop with your own enterprise data