Modelling and analysis of supply networks

SimChain

The innovation in transparency and optimisation

Your simulation tool to secure decisions in the design of supply chains and to uncover optimisation potential in logistics:

- With SimChain network design alternatives can be quickly and uncomplicated in monetary terms as well as with the help of common logistical key figures (incl. all CO2 emissions in the supply chain).
- Identify bottlenecks and potential savings, e.g. by examining different transport alternatives with the help of the model.
- Are there any changes to be made to the bills of materials? SimChain can map time-dependent parts lists and delivery relationships.
- Take advantage of the openness of SimChain to have a parameter optimisation automatically carried out by our optimisation tools.
- With SimChain, bottlenecks and overcapacities can already be identified during the experiment by means of clear diagrams. All relevant statistics are created automatically. A scenario manager supports the experiment design.

Continuity through integration and intelligent interfaces

SimChain stands for the consistency of planning, commissioning and operational use of of complex supply chains and logistics networks.

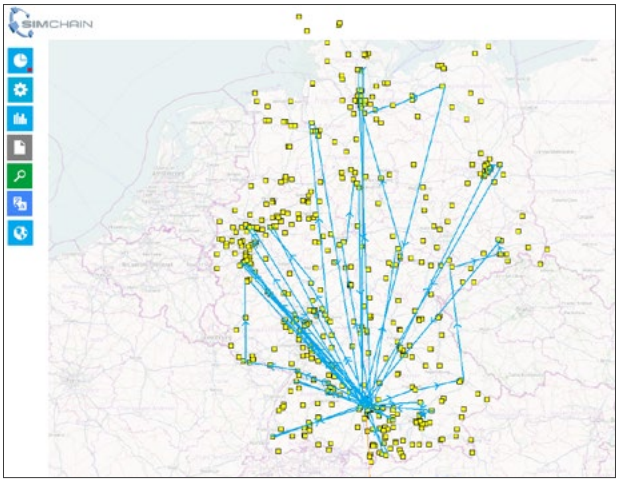
SimChain Webapplikation

- All structural data can be imported and exported. The model is built at the push of a button.
- User-friendly interfaces for importing import, visualisation, modification and export of structural data.
- A scenario manager supports the experiment design and the implemen tation of experiments.
- Simple integration of external data from ERP / PPS systems is given, e.g. with the help of ETL tools (Extract, Transform, Load).

Our service: analysis, comprehensibility and know-how

We offer our customers continuous support to aid them in the execution of complex simulation studies with SimChain:

- Joint realisation of a process analysis and determination of relevant key performance indicators
- Support during data collection
- Modelling with SimChain
- Visualisation of important process steps
- Determination of the experiment design
- Analysis of the results and derivation of design recommendations.
- Parameter optimisation
- Presentation and documentation
- Migration of the results to SCM planning and collaboration systems



SimChain Delivery network

Ideal combination of knowledge and tools

Based on our 30-year experience in process optimisation and simulation we have developed this supply chain management solution built on an innovative simulation tool:

- SimChain meets the requirements on modelling and analysis functionalities found necessary during numerous logistics and supply chain management projects.
- SimChain is object-oriented and based on the simulation software Plant Simulation of Siemens plc (Tecnomatix). Models can be expanded easily and adjusted individually at any point in the design process.
- Naturally SimChain can be operated altogether independently from operative SCM software solutions.

SimPlan AG was founded in 1992 as a service provider for the simulation of operational processes and today, with more than 120 employees, it is one of the leading German providers of simulation services.

Why SimPlan?

We are a cross-industry full-service provider for simulation, supporting companies of all industries with extensive expertise in the analysis and optimization of their business processes

- Objective and independent analysis
- Detailed knowledge in logistics and production from over 30 years of project work
  - → Development and use of standards
  - → Permanent advancement of simulation topics through research and development
- Excellent resources to respond quickly to your issues
- Close collaboration and project integration with a high level of on-site involvement
- Development of innovative solutions for the efficient handling of problems
- Neutral distributor for simulation software
  - → Support in software selection and implementation as well as training

Feel free to contact us

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