

Field of application: Supply Chain

Modeling and analysis of complex supply chains and logistics networks

Secure your decision in supply chain management with the help of simulation and use our know-how to uncover optimization potential in logistics:

Bottlenecks and excess capacities can already be during the experiment by means of clear diagrams during the experiment. All relevant statistics are automatically created and a scenario manager supports the experiment design.

-  Identify bottlenecks and saving potentials
-  Map bills of materials and supply relationships
-  Automatic parameter optimization
-  Creation of clear diagrams

Application areas in Supply Chain Management

- Long-term structure and process planning
 - Design of location concepts, (warehouse) capacities, transport relations
 - Evaluation of (individual) ordering policies and planning approaches
- Medium-term planning based on sales forecasts / program planning
 - (Rolling) planning of safety stocks, resources, etc.
- Short-term oriented planning
 - Bottleneck analyses (breakdown of transport relations, machines)

Our service: analysis, comprehensibility, know-how

We offer end-to-end support for your supply chain management in the context of complex simulation studies:

- Joint execution of a process analysis and determination of relevant key figures
- Support with data collection
- Modeling with a simulation tool
- Visualization of important process steps
- Determination of an experiment design
- Evaluation of the results and derivation of design proposals
- Parameter optimization
- Presentation and documentation
- Migration of results into SCM planning and collaboration systems

Questions

- Flexibility
- Service level
- Profitability

Own locations

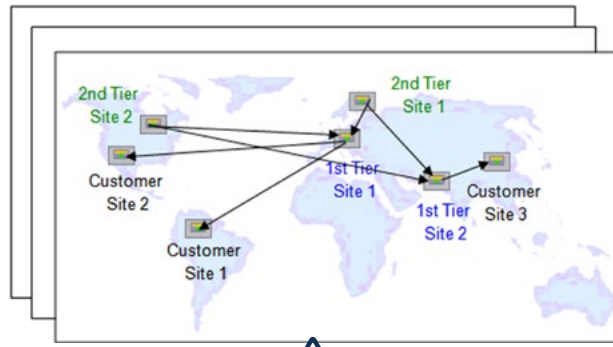
Capacity warehouse / production
Production costs
Planning / Control

Suppliers

Capacity warehouse / production
Price
Planning / Control
Delivery times

Delivery relations

Bill of material
Transport options
Planning / control parameters
Service level
Disturbance variables



References

- Planning of the European distribution network of ZF Trading
- Analysis of the supply chain of Hella Innenleuchten-System
- Site planning for new products of the company Dräxlmaier
- Examination of the floating stock concept (Degussa)
- Development of a tool supplier selection (Audi)
- Development of the European production and distribution network of plant of the company Beiersdorf



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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