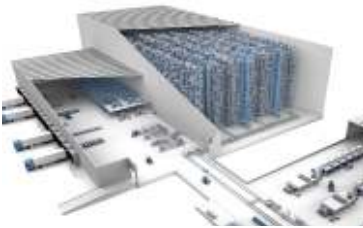


Overview

Software



We support you in the selection of simulation tools most suitable for your company and your projects, using our long-standing experience with the execution of simulation projects in various industry sectors. Crucial selection parameters include:



- range of features in the relevant field (abstraction, modular kits)
- flexibility and individual customizability
- user-friendliness
- continuous software updates and development
- user support
- acquisition costs

Apart from providing comprehensive information and competent advice, we can also offer you trial versions of software tools or accompany and monitor your pilot projects. We tailor our guidance concept specifically to your current situation and requirements.

SimPlan is your partner for the software listed below:

Simulation and Animation Systems

Product	Main Application	Typical Model Complexity
AnyLogic	Simulation of manufacturing systems and business processes; market, competition, supply chain and pedestrian flow simulation	medium/high
anylogistix	Modelling and analysis of supply networks - validation of decisions in SCM and identification of optimisation potentials	medium/high
AutoMod	Intralogistics simulation (conveying and storage systems); virtual commissioning of warehouse management systems and material flow controllers	high
CLASS	3D planning and simulation of manual storage systems	medium/high
Emulate 3D	3D planning and animation of intralogistics systems (conveyor, storage systems, vehicle systems). Based on this, simulation of production and logistics systems and virtual commissioning of PLC controls.	medium/high
INOSIM	Process simulation of single as well as multi-product plants consisting of continuous processes, batch processes as well as combinations	medium/high
PacSi	Analysis and optimisation of complex consumer goods manufacturing and packaging facilities	small/medium
Plant Simulation	Simulation of manufacturing systems, supply chain, virtual commissioning of warehouse management systems and material flow controllers	high
Simul8	Simulation of business processes, information flows, production processes	small/medium

Complementary Tools

SimAssist	Modular platform with assistance functions for the simulation user for management, analysis, visualisation and documentation of data
SimVSM	App for value stream mapping and simulation
SimPath	Process mining in the material flow of highly automated logistics systems
SimQueue	App for the design of buffer sizes
Opcenter-APS	Advanced Planning and Scheduling software
Max Load	Freight planning and optimization
Tops Pro	Packaging and loading optimization

Modular Libraries

We develop modular kits for your individual fields of application on the basis of standard simulation software. These libraries combine the required standard functions of model components, for example machines, warehouse, conveyor technology or entire plant areas. This allows you to create simulation models far more quickly and efficiently.

The following modular kits are currently available:

Based on Plant Simulation

Automotive Library	Joint project of diverse OEMs: Library for typical processes such as body shop, paint shop, assembly and logistics
SimSuite (Warehouse/ Logistics)	Efficient creation of simulation models in logistics divisions
Solar / PV	Support of modelling in the cell manufacturing with wafer technology, manufacturing of modules and thin layer solar cells
STS / Shipbuilding	Library for the simulation of unique processes especially for shipbuilding
VSM	Optional extension for the simulation of value streams
Workpiece Carrier	For assembly facilities with workpiece carrier systems

The Tool Laboratory

In our projects we are frequently confronted with the task of selecting the appropriate software for our customers' requirements. Over the years an extensive questionnaire has developed from this.

Possible questions with regard to a simulation tool:

- Can you define parameterisable objects (partial models) yourself?
- How do you program logics? 3D or 2D modelling?
- Which interfaces are available for the import of 2D- and 3D-data (e.g. workshop plans, machine envelope curves, textures)?
- Can simulation runs be executed as batch jobs (e.g. overnight) with different, predetermined parameters?
- Are self-optimising simulation runs possible?
- Which interfaces are available overall?

If you want to compare several tools, but do not want to rely only on the statements of the manufacturers, or if you want to carry out several test installations, we offer you the possibility to test different simulation tools in parallel.

We offer regular training courses for all tools. You can find all dates at www.simplan.de/en/trainings.

Of course, we are also happy to come to your company and organise a training session tailored to your individual questions.

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