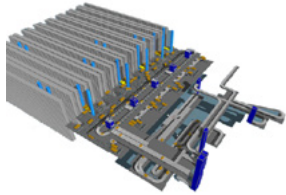


Overview

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
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
Demo3D	3D planning and animation of intralogistics systems (conveying and storage systems, vehicle systems)	medium
Emulate 3D	Virtual commissioning of PLC controllers	medium
Factory CAD/ Factory Flow	3D planning and animation of production systems (based on AutoCAD)	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
Sim3D	Based on the Demo3D modeling concept, simulation of production and logistics systems	medium
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
SimScheduler	Detailed planning - automatic generation of manufacturing orders based on current stock; orders/forecasts, minimum lot size and minimum stock level
SimChain	Modelling and analysis of supply chain networks - safeguarding of supply chain management decisions and detection of optimization potential in logistics processes.

Further Tools:

Preactor	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	Joint project with the Process Simulation Working Committee (Arbeitsgruppe Ablaufsimulation) of the German Association of the Automotive Industry (Verband der deutschen Automobilindustrie - VDA): Creation of simulation studies within the planning process and support of running operation
Supply Chain	Modelling and analysis of supply networks - tool for decision coverage in supply chain management and exposure of optimisation potentials in logistics
Warehouse	Efficient creation of simulation models in logistics divisions
Solar	Support of modelling in the cell manufacturing with wafer technology, manufacturing of modules and thin layer solar cells
Workpiece Carrier	For assembly facilities with workpiece carrier systems
Linked Systems	Simulation of interlinked systems as sales support (project planning)

Based on Enterprise Dynamics

Rapid Planning System (RPS):	Simulation tool with 3D specialised library for automated and half-automated handling systems
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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 merely on the manufacturers' statements or carry out several test installations, we offer you the opportunity to test different simulation tools simultaneously.

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