

# 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.

In addition to providing information and consulting sessions, we also offer you test versions or accompanied pilot projects. We tailor our guidance concept specifically to your current situation and requirements.

**SimPlan is your partner for the following software software listed below:**

## Key to success selection parameters

- ✓ Range of functions in the relevant area
- ✓ Flexibility and individual adaptability
- ✓ User-friendliness
- ✓ Continuity in the further development
- ✓ Application support
- ✓ Investment costs

## Simulation and animation systems

Product	Main application	typ. model complexity
AnyLogic	Simulation of production and logistics systems as well as business processes, market and competition simulation, supply chain simulation, people flow simulation	medium/high
anylogistix	Modeling and analysis of supply networks - validation of decisions in the SCM and the identification of optimization potentials	medium/high
AutoMod	Intralogistics simulation (conveyor, storage systems, vehicle systems); Virtual commissioning of warehouse management systems & material flow controllers	high
CLASS	3D planning and simulation of manual storage systems	medium/high
Emulate 3D	3D planning and animation of intralogistic systems (conveyor, storage systems, vehicle systems). Based on this, simulation of production and logistic systems and virtual commissioning of SPS controls.	medium/high
INOSIM	Process simulation of single as well as multi-product plants consisting of continuous processes, batch processes and combinations	medium/high
PacSi	Analysis and optimization of complex plants for consumer goods production and packaging	small/medium
Plant	Simulation of production and logistics systems, supply chain simulation, virtual commissioning of warehouse management systems and material flow computers.	high
Simul8	Simulation of business processes, information flows, production processes	small/medium

## Complementary tools

SimAssist	Assistance tool for management, analysis, visualization and documentation of data	SimPath	Process mining in the material flow of highly automated logistics systems
SimVSM	App for value stream mapping & simulation	Opcenter	APS planning software
SimQueue	App for the design of buffer sizes	Max Load	Freight planning and optimisation
SimODM	APS solution for SME	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 of various OEMs: library for the typical processes such as body shop construction, paint shop, assembly and logistics.
SimSuite Logistics	Efficient creation of simulation models of intralogistic topics
Solar/PV	Support of modeling in the field of cell manufacturing using wafer technology, Module production and production of thin-film solar cells
STS/ship-building	Library for the simulation of unique processes especially for shipbuilding
VSM	Extension of Plant Simulation for the creation and analysis of value flows and the possibility of dynamic simulation
Workpiece carrier	For assembly facilities with workpiece carrier systems



### The Tool Lab

In our projects, we are repeatedly faced with the task of selecting the appropriate software for the specific requirements of our customers. Over the years, this has resulted in an extensive catalog of questions.

## Possible questions for a simulation tool:

- Is it possible to define parameterizable objects (submodels) by yourself?
- How do you program your own logics?
- 3D or 2D modeling?  
Which import interfaces are available?
- Can simulation runs be executed as batch jobs with different parameters?
- Are self-optimizing simulation runs possible?
- Which interfaces are available in total?

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

We offer regular training courses for all tools. All dates can be found at [www.simplan.de/en/trainings/](http://www.simplan.de/en/trainings/).

Of course, we would also be happy to come to your company and organize a training course tailored to your individual tailored to your questions.

### Please feel free to contact us

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