

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 |
| SCS | Supply Chain Suite: Analysing supply chains and expanding ERP systems for comprehensive supply chain management | medium/ 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 | SimPacSi | Packaging lines on mobile end devices and simulate them in the cloud simulate |
| SimVSM | App for value stream mapping & simulation | Max Load | Freight planning and optimisation |
| SimPath | Process mining in the material flow of highly automated logistics systems | Tops Pro | Packaging and loading optimization |
| SimQueue | App for the design of buffer sizes | | |

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/.

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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