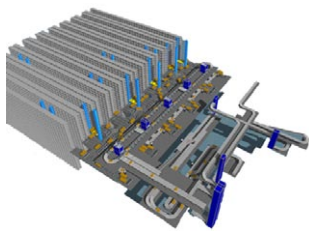


# Overview Software



## Software for simulation, animation and optimisation

We support you with the selection of simulation tools most suitable for your company or your projects. Our long-standing experience with the execution of simulation projects has shown that it is particularly important in this field to apply a system, which



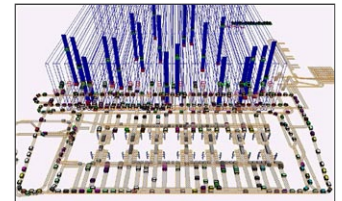
- capitalises on state-of-the-art software and hardware technologies,
- provides the best possible support for the user during the model generation on this basis
- with the greatest flexibility,
- continuity in advancement and
- comprehensive support.

Animation model

SimPlan is your partner for the software listed below:

### Simulation and animation systems:

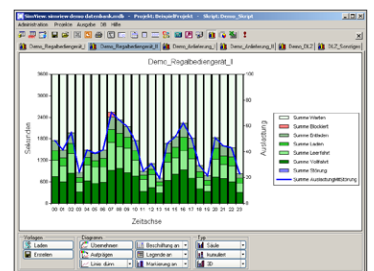
- AnyLogic:** Simulation of all corporate application fields possible, e.g. production, logistics, business processes, market and competition as well as supply chain
- AutoMod:** Modelling of manufacturing processes, warehouse simulation, online coupling / emulation
- Demo3D:** Animation and emulation of production and logistics facilities
- Enterprise Dynamics:** Simulation programme for the examination of logistics systems and other business processes
- Plant Simulation:** Simulation of high-complex production systems and control strategies, logistics systems, supply chain network
- Simul8:** Simulation of business processes, information flows, production processes



Simulation model

### Complementary tools:

- SimView:** Interactive analysis of simulation experiments by using data bases and pivot tables
- SimScheduler:** Detailed planning - automatic generation of manufacturing orders based on current stock, orders / forecasts, minimum lot size and minimum stock level



Statistics analysis

### Further Tools:

- Max Load:** Freight planning and optimisation
- Tops Pro:** Packaging and loading optimisation

### Example projects:

- Bottling plants
- Coating plants, e.g. painting plants
- Factory and workshop planning
- Manufacturing plants and system control
- Workshop crane systems and workshop traffic
- Body construction planning
- Production order systems
- Warehouse and conveyor technology, e.g. high rack warehouses
- Material flow and value flow analyses
- Assembly plants, e.g. engine pre-assembly
- Production schedules and concepts
- Packaging and loading optimisation
- Plant models

## Modular libraries

We develop modular kits for your individual fields of application on the basis of standard simulation software. These libraries combine required standard functions of the model components to be represented, for example machines, warehouse, conveyor technology or entire plant areas. With the aid of the modules you will increase the efficiency of your simulation model generation.

### The following modular kits are currently available (basis Plant Simulation):

<b>Automotive:</b>	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 planning process and support of running operation
<b>ICON-SimChain:</b>	Modelling and analysis of supply networks - tool for decision coverage in supply chain management and exposure of optimisation potentials in logistics
<b>Warehouse:</b>	Efficient creation of simulation models in logistics divisions
<b>Rapid Planning System (RPS):</b>	Simulation tool with 3D specialised library for automated and half-automated handling systems
<b>Solar:</b>	Support of modelling in the cell manufacturing with wafer technology, manufacturing of modules and thin layer solar cells

## 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. In our tool laboratory you have the chance to test simulation tools comprehensively with regard to their suitability before deciding on one or several providers.

Contact us - we will be happy to send you an offer without obligation.

## We are at hand

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