Building block case

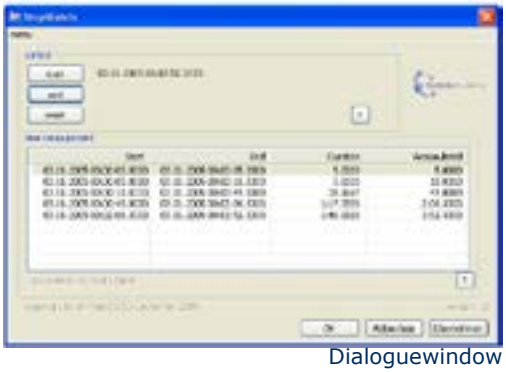
Warehouse / Logistics

Modelling in the logistics sector

The warehouse/logistics building block kit developed by SimPlan - also called SimSuite Logistics - enables fast and efficient modelling of large logistics projects based on the simulation tool Plant Simulation (Siemens PLM). The performance spectrum of the SimSuite includes a large number of building blocks for the mapping and control of common materials handling and warehouse systems as well as for the administrative management of the logistics system. The building block kit offers a comprehensive basic framework that enables project-specific tasks to be implemented effectively and efficiently. SimPlan's many years of experience from a large number of logistics projects and constant adaptation to market requirements make SimSuite a powerful tool for modern project visualisation.

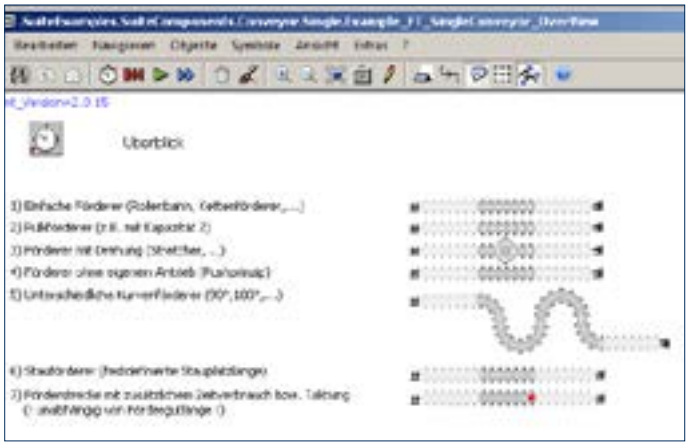
SimSuite Logistics is divided into different sub-areas:

- Simple and complex conveyor technology
- Interfaces (e.g. to databases)
- Conveyor components for lifts, distribution trolleys, stacker cranes
- Statistical tools for evaluation
- Class methods
- Functional examples



Dialoguewindow

In order to be able to operate the module effectively and efficiently, the warehouse/logistics module box offers a clearly structured dialogue window with all parameterisable and monitorable variables.



Overview conveyor technology elements

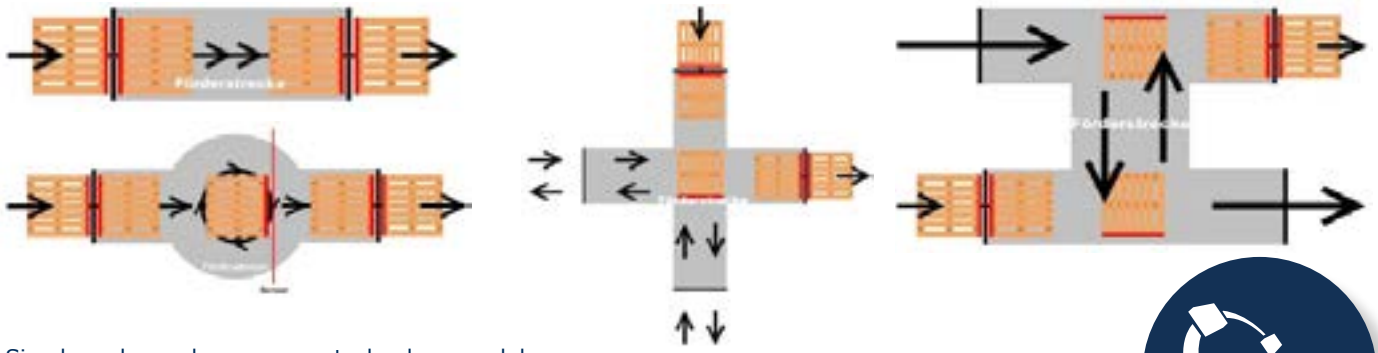
SimSuite Logistics includes, among others:

- Modules for the illustration of conveyor elements (see picture)
- Complex components such as lifts, stackers, destackers, transfer carriages or storage and retrieval machines
- Modules for recording, displaying and Managing statistics (fill level, throughput time, counters, etc.)
- Interface elements to Access databases (im port/export)
  (import and export) and to Excel.
- Modules for parameterisation and central management of conveyor technology and warehouse objects

- Modules for managing disruption times, fill levels and hourly profiles
- Modules for route finding and sequence formation for conveyed goods
- Modules for recording freely definable events (a kind of log)
- Modules for visualising warehouse occupancy
- Useful tools, such as the comparison of initialisation values of the model parameters, the automtised creation of smaller dialogue windows or the generation and manipulation of animation lines of a network.

Your benefit

- Significant reduction in the modelling time of complex logistics systems with greater detail of the conveying processes
- Defined interfaces for project-specific adaptations
- Fast statistical evaluations
- Standardised, parameterisable interfaces for importing and exporting statistical data



Simple and complex conveyor technology modules

SimPlan AG was founded in 1992 as a service provider for the simulation of operational processes. and today, with more than 120 employees, it is one of the leading German providers of simulation services.

Why SimPlan?

We are a cross-sector full-service provider for simulation, supporting companies from all sectors with extensive expertise in the analysis and optimisation of their business processes.

- Objective and independent analysis
- Detailed knowledge of logistics and production from over 30 years of project work
  - → Development and use of standards
  - → Permanent further development of Simulation topics through research and development
- Excellent resources for a quick response to your questions
- Close cooperation and project integration with a high on-site share
- Development of innovative solutions for Efficient processing of problems
- neutral distributor for simulation software
  - → Support with software selection and introduction and training

Feel free to contact us

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