Plant Simulation Training

Steffen Bangsow
advanced simulation services

Plant Simulation – Basics

The course shows, by way of numerous examples, how Plant Simulation is used. The use and adjustment of the standard components of Plant Simulation is explained, programming of client-related modifications is practiced, and knowledge of SimTalk is developed and enhanced. The course content is oriented primarily towards the client's requirements.

User Level:
Starter

Duration:
5 days

Costs:
On request

Training location:
On site in your company.

Version: 09/2018

Possible Course Content

Plant Simulation – first steps
- Plant Simulation interface
- Material Flow
- Hierarchy and inheritance

Processing of parts
- Single processing, simultaneous processing
- Continuous and discontinuous production
- By lot production

Assembly and disassembly processes
- Assembly- and dismantle station
- Assembly and disassembly using SimTalk
- Assembly using worker
- Assembly using PickAndPlace-robot

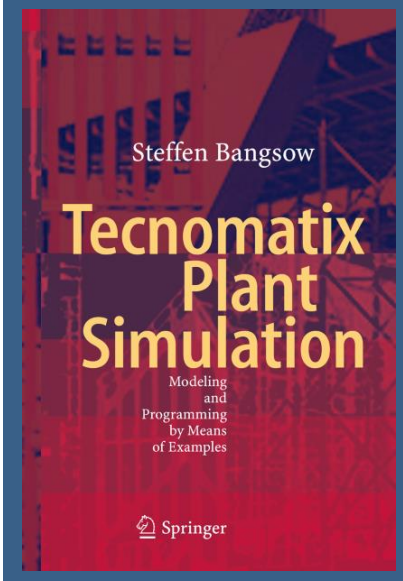
Workers
- Modeling of repair and maintenance
- Modeling of machine operators
- Load and unload of machines by worker

Transport of parts and containers
- Modeling of continuous conveyors
- Modeling of discontinuous conveyors
- Parts transport in containers
- PickAndPlace-robot
- Cranes
- Transverse slide carriages

Buffer and store
- Buffer and sorter
- Buffer dimension and availability
- Simple store modeling

Experiment planning and statistics
- Experiment Manager
- Statistical tools (e.g. Sankey diagram, block statistics, statistics of the resources and the drain)

All the content will be conveyed based on examples from your production processes.
The training course is based on the following book:
Tecnomatix Plant Simulation (Springer, 2016, ISBN-13: 978-3-319-19502-5)



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