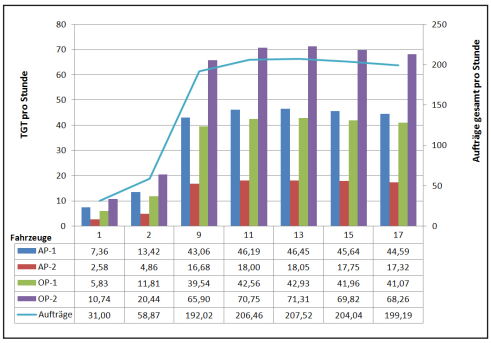
SOFT-COMMISSIONING®

SIMULATION-ASSISTED PLANT DESIGN AND VIRTUAL START-UP

Optimized logic processes guarantee the competitive advantage of producing companies. Harmonized fault-free control software is a prerequisite becoming more and more important.

Soft-Commissioning® maps real production processes as computer models in order to experiment with them. In the early planning phases already, it is possible to get a precise impression of the future processes and to prevent faults or bottlenecks. For testing the control software, the real control is coupled to the computer model within the framework of the virtual start-up. Potential weaknesses can be recognized and debugged well ahead of the real start-up. Alongside the virtual tests, the systems are optimally set up and planning decisions are substantiated.

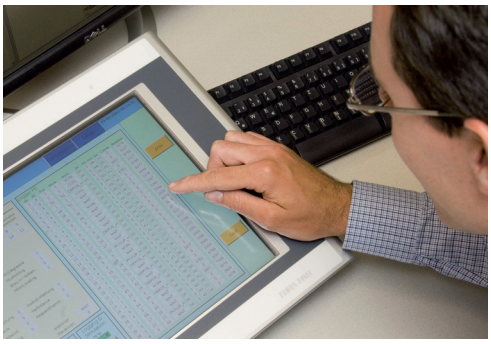


Fahrzeuge	1	2	9	11	13	15	17
AP-1	7,36	13,42	43,06	46,19	46,45	45,64	44,59
AP-2	2,58	4,86	16,68	18,00	18,05	17,75	17,32
OP-1	5,83	11,81	39,54	42,56	42,93	41,96	41,07
OP-2	10,74	20,44	65,90	70,75	71,31	69,82	68,26
Aufträge	31,00	58,87	192,02	206,46	207,52	204,04	199,19

Important parameters are obtained from the computer model.

Your benefits

- Optimized production logistics
- Consideration of the system dynamics whilst planning layout variants as well as in the development of optimized operating and control strategies
- Early recognition of weaknesses in the plans, bottlenecks and faults in the control code
- Decrease of start-up times and avoidance of warranty costs



Shorter start-up of the real plant and optimized operation assure competitive edge.

Our services for you

- Simulation-assisted verification and dimensioning
- Simulative testing and optimizing of control software
- Development of simulation-assisted planning, decision making and optimization tools

Target group

- Logistics planners and operators
- Plant builders and system integrators
- Producing companies with corresponding complex logistic processes

Testing of the control software by means of the simulator will expose faults in time before the start-up.

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