



wayRTS – the tool for production planning and control

Transparency in the supply chain

Planning & control of the supply chain with any degree of automation

The advanced planning & scheduling (APS) software wayRTS (Real Time Simulation) is high-performance software for production planning and control in real time of all a company's value-creation stages. wayRTS makes planning transparent and gives users the opportunity to intervene easily with planning support that can be automated at will.

Thanks to the flexible, main memory-based data structure, wayRTS enables the modeling of production processes and seamless integration and synchronization of other value-creating processes, for example in the pre-production phase (design, planning, work preparation, etc.). And all this in real time. The same data structure is used for rough and fine planning, which means that breaks between different planning stages are a thing of the past. This is how wayRTS creates the ideal prerequisite for exploiting business potential in the supply chain: great delivery reliability and productivity with market-appropriate throughput times and optimal inventories. wayRTS features in-memory data storage, which guarantees high performance in real time, even with large volumes of data such as the ones in large production facilities, especially with multi-plant

processes. wayRTS improves the planning team's efficiency substantially.

With the unique linking of automation, state-of-the-art visualization, and interactive real-time planning, wayRTS enables production planning according to the Whitebox APS approach: This involves the linking of optimization algorithms with the planner's experiential knowledge, the transparent display of the optimization results, and interactive interventions by the planner in case of critical planning situations. Here, everything is possible, from automated operation to complete visual-interactive planning. Regardless of the individual degree of automation, planning & control work can be reduced significantly in every case.

The functional benefits and basic technologies of wayRTS as advanced planning & scheduling software already fulfill the requirements that companies on the path to Industry 4.0 will encounter over and over again.

Properties and flow



Planning with real-time processing and scenario technology



Planning support can be automated at will



In-memory technology for quick data access via the main memory



Optimization with real-time synchronization



Visual, interactive planning tools

Benefits for your processes

- Increased adherence to schedules
- Significantly less planning and control work
- Increased productivity
- Shorter throughput times
- Optimized inventories

wayRTS makes planning & control easier: And the degree of automation is up to you

Maximum transparency with the Supply Chain Cockpit

With the Supply Chain Cockpit, the planner can determine the planning situation at a glance and – even across several levels of aggregation – analyze it down to the smallest detail. Customizable alert functions direct attention to what's essential. In addition to the logistical variables, value and cost aspects of planning are evaluated.

Transparency in planning and control

Starting from demand-based service provision, wayRTS provides complete transparency across the entire order network thanks to state-of-the-art visualization and filtering possibilities. The relationship to the customer order is always maintained, however. Thanks to excellent graphic display and context-sensitive scaling, all essential information is always available in a compact format. This includes flexible, customizable views and dynamic filter functions (e.g. for the critical path).

Visual planning

The visualization functions create the basis for interactive planning, with which capacities, orders, and throughput times can be adjusted via drag-and-drop. With wayRTS's real-time capability, it is possible to see the effect of interventions across all production stages immediately and trace them easily.

Custom automation

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Scenario technology

Planning is complex. The scenario technology in wayRTS enables what-if observations with which the direct comparison of planning alternatives and simulation of the best possible solutions is possible. If the result is satisfactory, it can be taken over into operative planning with the touch of a button. With the wayRTS scenarios, a feasibility check for the sales planning is also possible by simulating various market developments and comparing them to one another. For example, this is often especially useful with regard to capacity and material requirements.

Quality standard of the wayRTS APS software

wayRTS has been developed according to internationally recognized quality standards (GAMP4). In addition to the technology itself, we also provide the appropriate services: Our experts implement this standard APS software as a validated system.



Automation & optimization of regular planning tasks with wayOPT

With the wayRTS add-on wayOPT, we offer you a platform for automating and optimizing standard tasks in production planning. Efficient, high-performance algorithms help you with your daily planning work and make routine work much easier. This grants you more flexibility to clarify special planning situations. In addition to the basic functions,

wayOPT offers companies extensive possibilities for customizing, so that the functionality can be tailored to the user's planning needs to create best-fit planning. This allows you to realize improvement potential for order throughput times, inventories, and planning work.

Your Benefits for the Processes

- Increased adherence to schedules
- Significantly less planning and control work
- Increased productivity
- Shorter throughput times
- Optimized inventories

	Change		Average	Maximum
On-time-delivery	↑	auf	92%	98%
Inventories	↓	um	27%	53%
Productivity	↑	um	16%	37%
Work for planning & control	↓	um	33%	72%
Throughput times	↓	um	34%	56%

Payback period of the SCM projects

Within 12 months, at the earliest after 3 months

