Digital Planning Board for Detailed Scheduling as On-Premise or Cloud-Application

UX-OPTIMISED WEB APPLICATION "ORSOFT DIGITAL FACTORY SCHEDULING"

for a scenario-based and key figure-optimised management of resource, material and time conflicts in production planning
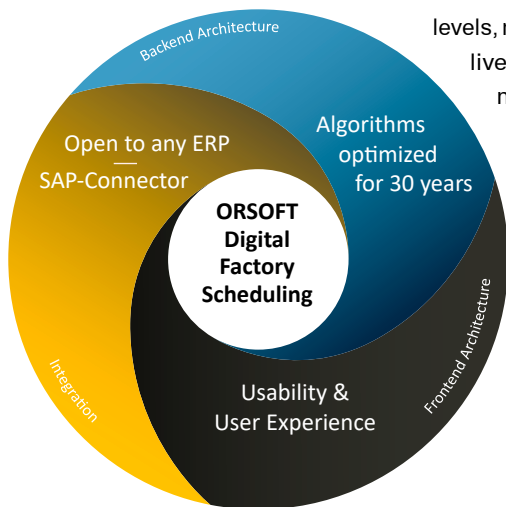
In medium-sized companies or in smaller locations of large corporate entities, detailed production scheduling is often managed through individual stand-alone solutions such as those based on Excel files. Hence, the information is often only available asynchronously and not in real time and is neither horizontally nor vertically integrated into the central ERP system. **ORSOFT Digital Factory Scheduling** is an easy-to-deploy SaaS/cloud-ready planning software that allows companies to orchestrate planning conflicts between Enterprise Resource Planning (ERP) and the operational Manufacturing Execution System (MES) in a performance-driven set-up.

Artificial intelligence (AI) and machine learning (ML) enable the efficient design of planning processes and create sustainable cost reduction potentials

Based on the PaaS platform Edge.One, **ORSOFT Digital Factory Scheduling** offers a planning tool compatible to any ERP systems to create transparency about the actual overall planning reality. With its competitive edge to utilize AI and ML, the software runs optimisation scenarios for material, capacity, time and demand conflicts and generates automated planning proposals. Intelligent algorithms reinforce the goal to find the best sol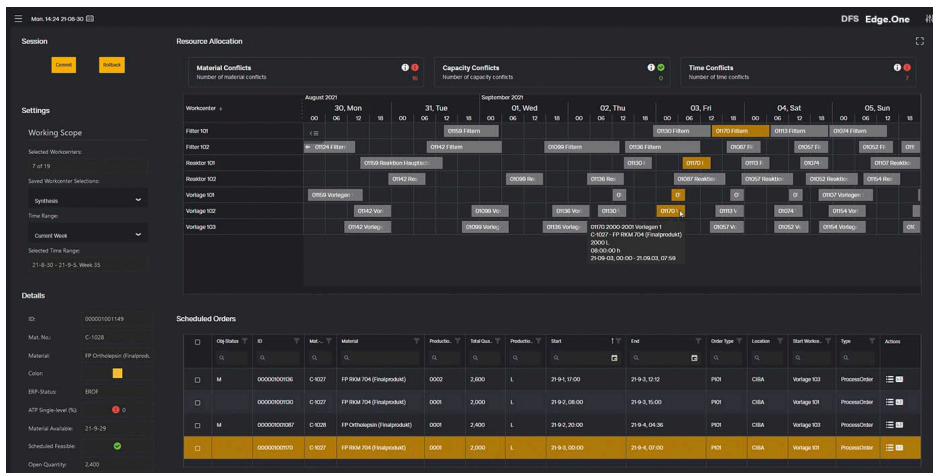ution among all possible solutions. Suggestions for minimising stock levels, maintaining delivery reliability or minimising production costs are further key indicators for an optimised entire planning process.

Edge.One: PaaS-platform esablishes the central hub for the digital plant of the future

Edge.One is an integrated platform based on a micro-service architecture. It offers the possibility to integrate Germanedge solutions as well as third party applications. The domain model is based on ISA95, and is ready for Industry 4.0. Edge.One is delivered in a scalable, customizable structure and is cloud agnostic – based on Docker Swarm and Kubernetes, eventually. We support all operating concepts: whether SaaS, renting from the cloud or operating it yourself, on-premises or as a hybrid concept. You can start using Edge.One as soon as a cloud connection is available.

Backend Architecture
Open to any ERP — SAP-Connector
Algorithms optimized for 30 years
ORSOFT Digital Factory Scheduling
Integration
Usability & User Experience
Frontend Architecture

Architecture of the SaaS-Application
ORSOFT Digital Factory Scheduling

ORSOFT Digital Factory Scheduling: Dashboard of a planning week showing material, capacity and time conflicts (Display with Tokyo Theme)

Keep everything in view:
ORSOFT Digital Factory Scheduling creates transparency in detailed scheduling processes

By implementing ORSOFT Digital Factory Scheduling, you can benefit from the expertise of numerous customization projects for the Advanced Planning & Scheduling (APS)-Software ORSOFT Manufacturing Workbench, while the system itself is easy to operate due to intelligent standardizations. The digital planning board is both, applicable for the processing and manufacturing industry and can be easily deployed into existing IT infrastructures. The web application is the perfect complement to your existing ERP system and acts as a central planning hub.

ORSOFT Digital Factory Scheduling enables

→ Transparent presentations of actual and planning data within production

→ Simulations of ERP master and transaction data for the KPI-optimized assessment of resource and time conflicts

→ Efficiency improvements through throughput time optimisations

→ Reductions of capital commitment costs

→ Easy resource allocations with Gantt charts

→ Ad-hoc re-schedulings based on simulation scenarios

The pioneering platform architecture allows an integration both as on-premise and cloud application. A certified SAP connector enables easy data exchange with the leading ERP system. With the partner-ready PaaS platform, the connection to any other ERP system is feasible without any problems as well.

THE BENEFITS OF ORSOFT DIGITAL FACTORY SCHEDULING AT A GLANCE

Digital detailed planning tool based on 30 years of experience in customisation projects in the field of Advanced Planning & Scheduling

Smart SaaS-ready web application with attractive UI / UX and clever dashboard functionalities as on-premise or cloud integration

PaaS platform Edge.One as central hub for the digital factory of the future

Easy integration into existing ERP infrastructures

Certified SAP connector for integration into the infrastructure of the leading ERP specialist

Optimised conflict resolution algorithms through artificial intelligence (AI) and machine learning (ML)

Get in touch! →