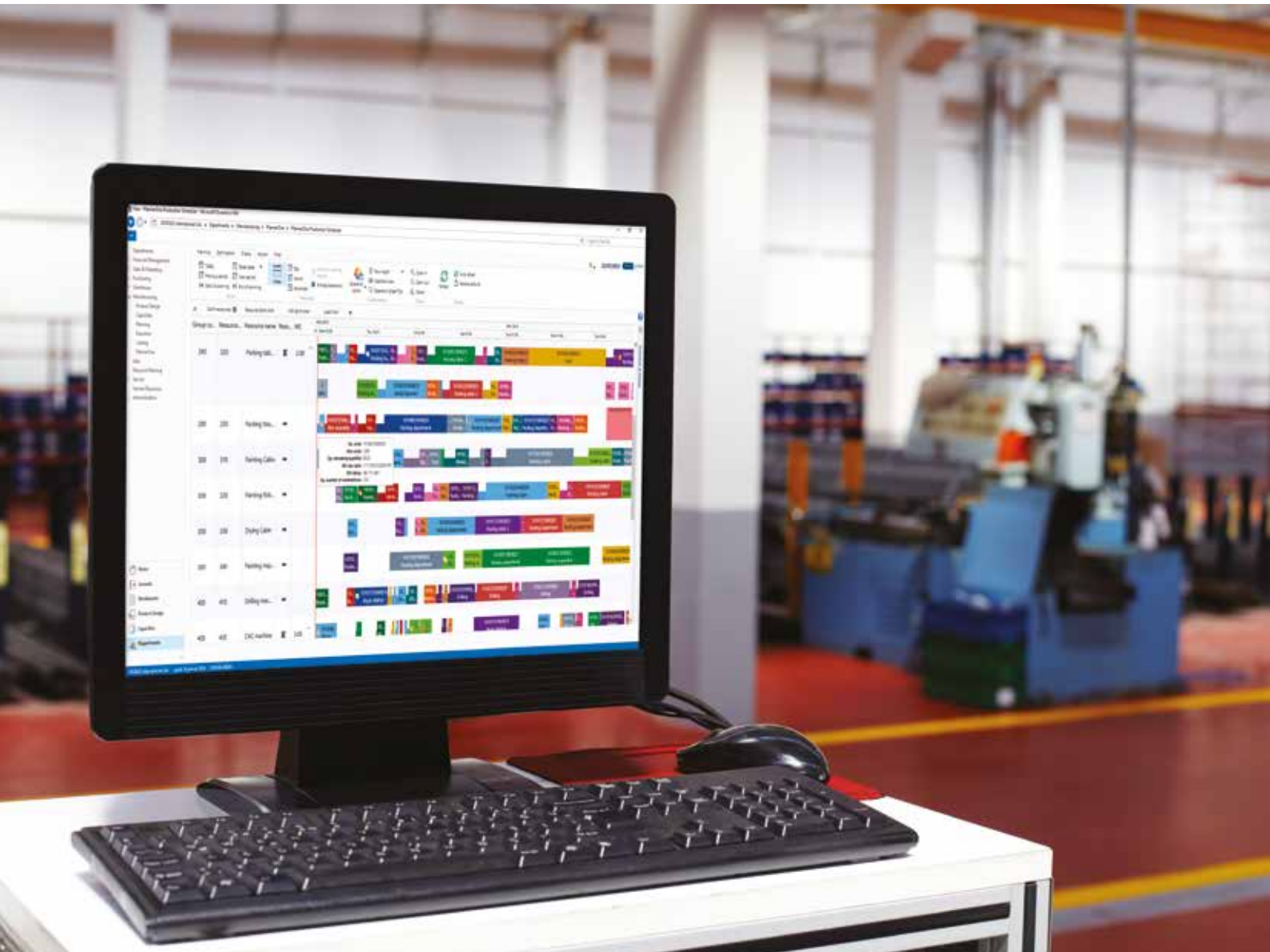# DELMIA ORTEMS
PLANNERONE PRODUCTION SCHEDULER
MANUFACTURING PERFORMANCE AND PLANT AGILITY
for Microsoft Dynamics NAV

ADVANCED PLANNING AND SCHEDULING SOLUTION FOR MANUFACTURERS

Many companies in today's dynamic business environment face unforeseen changes. They need to make quick and smart decisions to meet customer requirements and evolving market demands. The need for a flexible and agile manufacturing planning and scheduling solution for Enterprise Resource Planning (ERP) systems has become more important than ever for manufacturers.

DELMIA® Ortems PlannerOne® Production Scheduler (Production Scheduler) powered by Dassault Systèmes **3D**EXPERIENCE® platform is the innovative planning and scheduling solution which drives performance optimization into the core of Microsoft® Dynamics NAV's manufacturing module. **Production Scheduler** answers the manufacturers' need to increase their performance and agility thanks to a web component that provides the users with a flexible, graphical, and collaborative environment.

Production Scheduler is an advanced planning and scheduling solution certified and integrated inside Microsoft Dynamics. Easy-to-implement and cost-efficient, it enhances the planning of Small and Medium-sized Enterprises (SMEs). Manufacturers will be able to benefit from interactive planning based on constraints and a finite-capacity system. They will clearly visualize bottlenecks and make quick changes inside the planning for every collaborator to see.

Ready for Cloud and Mobility, **Production Scheduler** has been developed using the latest Microsoft technology (Visual Studio 2015, .Net 4.5) and is integrated into the Web, Tablet, and Windows Real-Time Communication (RTC) clients. It is a web-based application that can also be accessed using Internet Explorer® and interacts with the Microsoft Dynamics NAV functionalities, enabling real-time communications that accommodate the integrity requirements of ERP manufacturing processes.

AN INTUITIVE PLANNING TOOL FOR ALL USERS

Production Scheduler is natively designed for a multi-user planning and scheduling process. The Web, Tablet, or Windows RTC client can be used to customize the interface for users based on their roles in the company.

Intuitive and easy-to-use, **Production Scheduler** for Microsoft Dynamics NAV respects this role-tailored logic by giving all ERP users—across all departments—access to:

- Different views of lead-times and bottlenecks to support quick decision-making on production issues (capacity sizing, subcontracting decisions, work order time-shifting, etc.).
- Interactive planning capabilities and constraint-based finite-capacity scheduling algorithms that are integrated in real time with Microsoft Dynamics NAV manufacturing processes.

For example, a sales representative can display the schedule tab on an order screen and view the end date of the work order related to this order. Schedulers and planners are the main users of this component. They have access to several views:

- Resource, Production Order, and Custom Gantt charts
- Load chart
- Resource Sequence list

In the workshop, team leaders can add information on the schedule using their tablet touch screen to alert the scheduler of production events in real time.

Production Scheduler enhances the Microsoft Dynamics NAV Manufacturing Module with:

- **Constraint-based finite-capacity scheduling** to respect objectives and constraints of manufacturers
- **Load balancing optimization**
- **Optimization of setup times**
- **Grouping of production order operations**
- **Graphical and interactive schedules** that allows users to visualize the manufacturing saved data
- **Real-time synchronization** to guarantee a plan based on manufacturing constraints
- **Configurable visual markers**
- **Take raw material availability into account**
- **Simulation in a Work Plan**
- **Key Performance Indicators (KPIs) and analysis of advances/delays**
- **Precise modelling** through alternate resources

Constraint-based finite-capacity scheduling to respect objectives and constraints of manufacturers

Optimization of setup times

Graphical and interactive schedules that allow users to visualize the manufacturing saved data

Our **3D**EXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 210,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

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