

APS SYSTEMS: PRODUCTION PLANNING and SCHEDULING

Advanced **P**lanning and **S**cheduling and **M**anufacturing **O**perations **M**anagement systems were created with the aim of planning, guiding, monitoring and increasing the efficiency of these processes by centralising them in a single integrated tool.

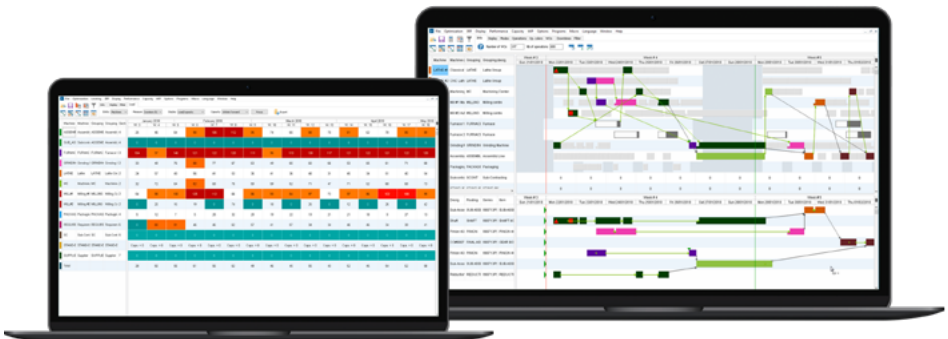
To help companies make their production processes visible, controlled and synchronised, beanTech, **in collaboration with Dassault Systèmes**, brings to the market the DELMIA suite, which includes the components Ortems APS and Apriso MOM collaborative environments, which **support manufacturing companies** by making them more flexible and bringing them closer to the current market situation.

WHY CHOOSE DELMIA ORTEMS APS?

DELMIA Ortems APS was created with the objective of planning and optimising the entire logistics-production supply chain, from managing raw material requirements to creating an efficient production plan, from checking delivery dates to perfecting scheduling for optimal use of resource and material capacity

DELMIA Ortems APS allows you to:

- **Evaluate** short- and long-term **work order loads** to create an effective MPS (Master Production Schedule) and highlight production bottlenecks;
- **Synchronise requirements and availability**, both of materials and capacity, throughout the production supply chain;
- **Provide a feasible plan with finite capacity**, thanks to the parallel evaluation of countless what-if simulations;
- **Optimise short-term detailed planning**, with modelling of constraints, bundling of similar processes and minimisation of production changes.



THE THREE COMPONENTS OF DELMIA ORTEMS

MANUFACTURING PLANNER

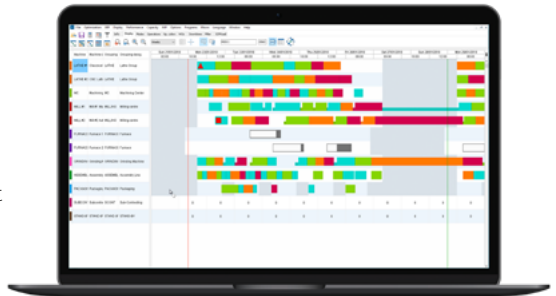
Processes medium- and long-term work order loads, released or not, to propose complete MPS planning at finite capacity. Moreover, thanks to constraint modelling and analysis tools, it immediately identifies production bottlenecks in all resources, main and secondary.

SYNCHRONISED RESOURCE PLANNER

Enables the synchronisation between requirements and availability, both of materials and capacity, along the entire production supply chain; thanks to a powerful MRP engine that separates the multi-level bill of materials, manages the links necessary to forecast the traceability of supplies for an order or commission and provides support for alternative supply simulations.

PRODUCTION SCHEDULER

Thanks to a powerful and configurable optimization engine and the integrated management of multiple constraints associated to products, processes and resources, the effective implementation of short-term detail planning, reduced set-up times and material utilisation is possible. Cross-functional collaboration allows different business roles to give their own contribution to the schedule according to their level of responsibility.



WHY CHOOSE BEANTECH?

beanTech, partner of the DELMIA suite, aims to **support continuous improvement in the industrial operational processes of manufacturing companies** thanks to its dedicated Operations Management team.

A **multidisciplinary team**, capable of providing, thanks to Dassault Systèmes applications, advanced professional services and **360° solutions for the digitisation of production**: from the implementation of factory IT infrastructures to consulting on operational processes, from multi-protocol data acquisition from machines and plants to their analysis thanks to sophisticated artificial intelligence and predictive technologies.



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