

myPlan4.0

Planning, Scheduling & Optimization

Ready for Cloud & Algorithm Era



myPlan 4.0 Planning Scheduling & Optimization

CEGEKA, specialized in the implementation of ERP and Supply Chain Management systems, provides companies with a set of advanced features that drastically improve the usage of the systems in a context of planning and production management.

These features give companies the opportunity to achieve significant improvements in terms of reliability and delivery speed, inventory level reductions and obsolescence, increase in the equipment efficiency and in staff productivity, both direct and indirect, substantial reductions on supply costs.

Reduce costs and react faster to market demands

Even companies that already use innovative and powerful ERP systems, find it crucial to take advantage of simulation and optimization capabilities that help making decisions aimed at reducing operating costs and increasing responsiveness to the market.

Thanks to the development of brand new features, the company personnel will be able to work in a much more efficient way, considerably saving time:

- **Perform instant planning of sales, production and procurement**
- **Simulate the impact of a productive decision on deliveries and costs**
- **Analyze and decide on an aggregated or disaggregated level of single product and product family**
- **Save time when performing the production planning and scheduling activities tasks**

PLANNING & SIMULATING FEATURES

FAST MRP - DRP

ERP systems can take several hours to run the MRP process. With myPlan this time is reduced to a matter of seconds, including the regenerations of dynamics pegging connections among each event like forecasts, customers' orders, production and purchasing orders. This leads to an immediate detection of any critical aspect and allows immediate cause-effect analysis of problems affecting delivery and production plans.

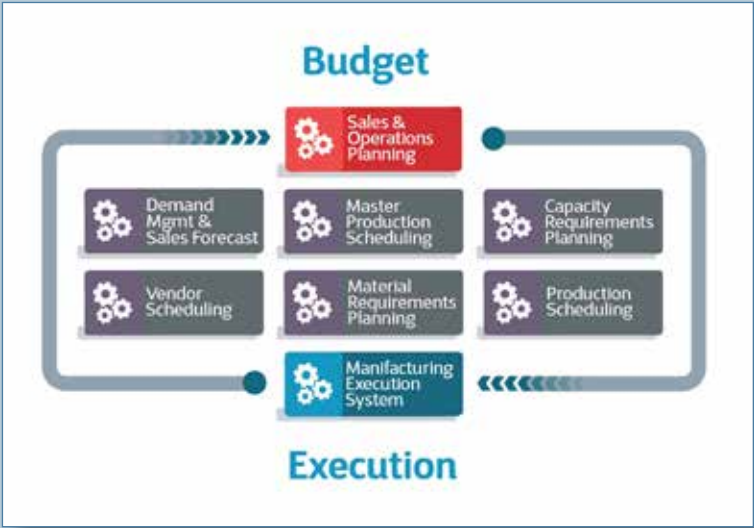
The advantages are faster response to customers' requirements, better prevention of problems and corrective actions.

FAST CRP

The instantaneous calculation of the work loads and the capacity of the resources allows to pinpoint critical aspects regarding overutilization and underutilization along the planning horizon. Some interactive functions guide the planner in the task of matching loads with capacity, in order to achieve a feasible production plan in term of resources and materials.

This leads to the prevention of bottlenecks and a better balance between capacity and workloads.





Areas of Application

The areas of application cover all the process involved in the management of production and procurement.

Industrial sectors

- ▶ Clothing
- ▶ Electronic
- ▶ Eyewear
- ▶ Food
- ▶ Electrotechnical
- ▶ Plastic
- ▶ Chemical
- ▶ Mechanical
- ▶ Textile
- ▶ Distribution
- ▶ Wood

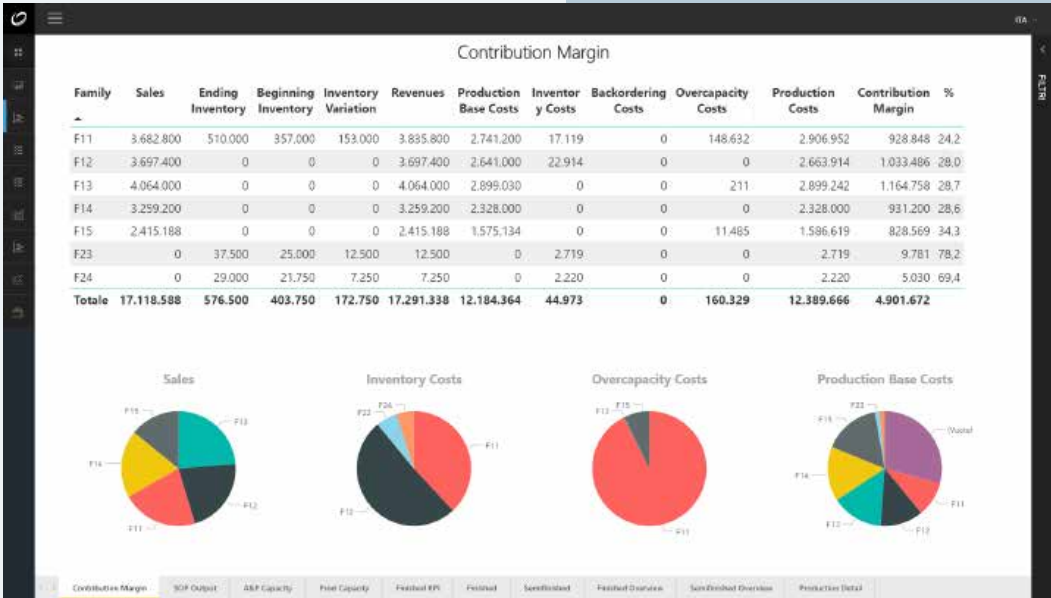
MPS

These functions allow to define groups or items quantities in each time bucket to achieve specified target service levels and stocks, taking into account production capacity and material availability. Some leveling techniques and optimal safety stocks dimensioning help you to define a production plan which better balances service and efficiency requirements.

In this way we can reduce the efforts and time required to define a MPS feasible in term of resources and materials that satisfies the target in service and stock levels.

SOP

These functions cover the Sales and Operation Process, at the top of the whole planning process and engages all the company Directors. Starting from Actuals, Budget and developing the new monthly Forecast, the systems finds the best Family Production Plans, constrained to the capacities of production, logistics and procurement resources and the type of production of each Family (MTS, ATO, MTO).



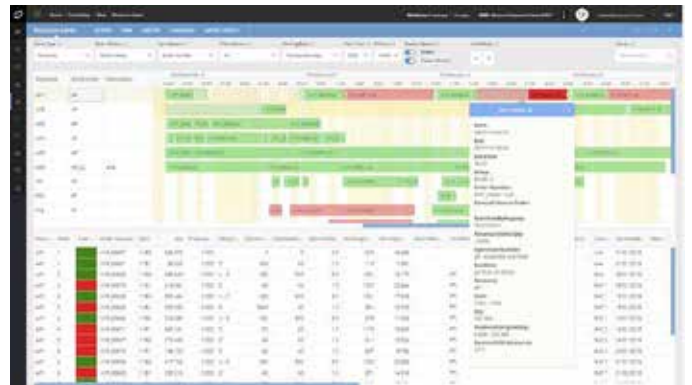
Scheduling

These functions allow the production scheduler to define when and on which resource each job must be done on a Gantt table. The drag and drop technique combined with some automatic rules allows the scheduler to obtain a plan which reduces set up time, job queues and resources unbalance.

This means a better Overall Equipment Efficiency of resources and an improvement of the On Time Delivery.

Forecasting

The system performs product forecasting based on best fit techniques in order to reduce the forecast errors. The forecasts can be used for SOP, MPS and MRP process. Netting and Timing function are available to these scopes.



OPTIMIZATION FEATURES

Optimization

These functions allow to define a production plan which optimize a specific objective function. This could include several weighted objective, like resource utilization, set up costs, on time delivery, work in process level. The user can adjust the plan resulting from the optimization to take into account others factors not considered by the model.

The advantage is the optimization of the critical production performances.

Business Intelligence

myPlan4.0 also integrates Business Intelligence functionalities, providing reliable analysis tools at your fingertips within the application. Microsoft's powerful "Power BI" tool is used for analytics, enabling dynamic, real-time reports with drill-up / drill-down functionality, so that you can keep track of everything that's happening on the factory floor, down to the tiniest detail.

Gold Microsoft Partner



More than 100 myPlan projects

CEGEKA

Cegeka's mission is to provide high-quality IT skills that have a deep impact on company business and processes.

Our services help customers retain their flexibility, drive innovation and improve their competitiveness in global markets. Active in Italy since 1986, we are an IT consulting company focused on the integration of business solutions and the optimization of ICT infrastructures.

We are an international group present in 10 countries, serving customers all over Europe: enterprise cloud services, agile development of applications, agile coaching and ICT outsourcing. Our certified Education line of business completes the offering, it provides IT training for top solutions and technologies on the market.

Cegeka employs more than 5,000 people, achieving a total turnover of 640 million euros.

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