

AUROLA-ProPlan

AFFORDABLE BUSINESS SOLUTION
FOR THE PHARMA INDUSTRY

Intelligent Planning & Scheduling

- Both stand-alone and networked options available, that can be used simultaneously by different users
- Significant benefits and savings achievable with affordable investment
- Equally applicable to small, medium, and large Pharma companies
- Out-of-the-box functionality with very fast implementation times
- Significant improvement with key business metrics
- User friendly, intuitive, seamless

Why Develop Aurora-ProPlan?

Aurora-ProPlan was developed for the pharmaceutical industry. It has been proven to provide significant benefits, spanning resource planning, inventory carrying cost management, and demand driven supply chain management.

Traditional scheduling practices are typically non-optimal leading to frequent changeovers, resource conflicts, sluggish response to changing demands, and high costs.

Aurora-ProPlan's configurable and optimal planning platform will deliver significant benefits by allocations of the resources on demand, while optimizing business critical metrics, such as inventory carrying costs.

Aurora-ProPlan helps companies to transform their operation by agile planning across individual units of operations, single plant, or their entire production network.

What is Aurora-ProPlan?

Aurora-ProPlan is a versatile and state-of-the-art platform that can automate and optimize many critical-to-business scheduling and planning activities in the Pharmaceutical operations.

The integrated intelligent planning and scheduling engine is widely used in mission critical scheduling functions in NASA, Defense, Aerospace,

Automotive, and Healthcare industries. Aurora-ProPlan has been specifically designed to meet the scheduling needs of the Pharmaceutical Industry, in collaboration with Pfizer Inc. Areas of applications include:

- Batch and Campaign Planning
- Line/Equipment allocation
- Labor/Shift Planning
- Maintenance Scheduling
- Resource Conflict Resolution
- Demand-driven production planning
- Fast What/If scenario simulations
- Inventory Carrying Cost management
- Line Changeover reduction
- Generation of detailed schedules from ERP Master Plans

Challenges of Traditional Planning and Scheduling

Traditional scheduling is a complex and labor intensive process that requires a highly specialized skillset. Commonly used scheduling tools rely on primitive algorithms and rigid rules, that result in non-optimal schedules. Current tools do not take into account constraints including:

- Task sequences and formulation holding times
- Demand changes and inventory carrying cost
- Equipment downtime, line allocation and cost
- Resource availability

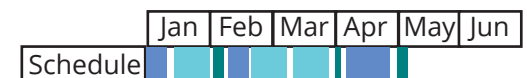
Features and Benefits

Aurora-ProPlan can resolve the challenges of a traditional planning and scheduling system, resulting in drastic improvement of supply chain agility, changeover frequency and complexity, and freed up capacity.



Before Aurora-ProPlan

High changeover and downtime



After Aurora-ProPlan

Reduced changeover frees up line capacity

Typical improvement in metrics observed in benchmarking of Aurora-ProPlan Include:

- 10-15% reduction in changeover numbers and associated downtime
- 15-20% improvement in freed up line capacity