

# Intelligently Align your Production Schedule with Customer Demand

Manufacturing companies must strike a balance between satisfying fluctuating demand and efficient production planning. Traditional production planning systems can no longer provide the agility to adapt to rapid fluctuations in an era of severe demand volatility.

Meet Smart Production Planning – Tredence's OR-/ML-driven production planning tool.

Organizations can use our automated production planning solution to:

- Create an optimal production plan and detailed production schedule using a combination of OR, ML, and simulations based on service level targets and factory constraints
- Recalculate schedules in response to ad hoc customer requests or the planning team's changes
- Provide the capacity to simulate various scenarios and visualization capabilities for easy consumption of plan alterations insights
- Integrate with manufacturing systems while still allowing for manual inputs and interventions

Reach out to us at [alliances@tredence.com](mailto:alliances@tredence.com) for a demo.

Tredence is an AI engineering and analytics company that focuses on the last-mile delivery of insights into actions by uniting its strengths in business analytics, data science, and software engineering.

## Streamline product management with smart production planning



### SKU Segmentation

ML-based SKU clustering to establish a segment-specific production plan



### Planning Optimization

OR-based, short-term production planning optimization engine



### Schedule Optimization

OR-/simulation-based detailed schedule optimization engine



### Visualization

Real-time reports for demand fulfillment, operational & financial KPIs



### Scenario Simulation

Simulate the impact of ad-hoc planning and scheduling changes



### Exception Management

Manage and track planning changes through executive escalation

## Business Impact



**2-5%** increase in revenue due to reduction in lost sales



**5-10%** drop in FG inventory



**2-5%** surge in capacity utilization



**5-10%** reduction in changeover times

Tredence assists businesses in aligning their production plans with client demand patterns.

