

Smart Production Planning Solution

Business Impact numbers

\$1.8M

Increase in revenue

10%

Inventory Reduction

Time to execution

4

Weeks to Pilot

12

Weeks – Time to market

Problem Overview

Need a smart production planning solution that enables manufacturing firms in balancing their priorities between meeting variable demand and efficient production planning.

High level approach/solution framework

The combination of Tredence's AI & advanced Data Science capabilities and Azure's data processing provides a winning methodology to uplift the revenue and reduce working capital through Finished goods inventory reduction

- ML based automatic SKU segmentation to dynamically strategize planning
- Supply scenario simulation and impact assessment
- Optimization tool and scenario modelling to visualize impact
- Integrated Scheduling to automate production execution

Azure architecture or Azure components used



ADF Pipelines



Azure MS-SQL Database



Microsoft Power BI



Usage stats at a high level

1200+

suppliers

2500+

SKUs

10+

Supplier performance evaluation KPIs

8

techniques in ensemble for 1200 models every week