

COSMO TECH AND SAS BRING SUPPLY CHAIN RESILIENCY WITH ADVANCED ANALYTICS, AI AND SIMULATION

BRIDGE THE GAP
BETWEEN DEMAND FORECASTING,
SUPPLY AND PRODUCTION PLANNING

In the last decade, the world of Supply Chain has changed dramatically, creating both high risks and huge opportunities. In an increasingly volatile world, the speed of decision-making is essential to avoid supply chain disruption and gain valuable agility.

What that means is that manufacturers need to quickly make and implement strategic decisions about production, equipment, cost structure, inventory, logistics... while generating free cash flow in a deeply uncertain environment.

+20%

Forecast
accuracy

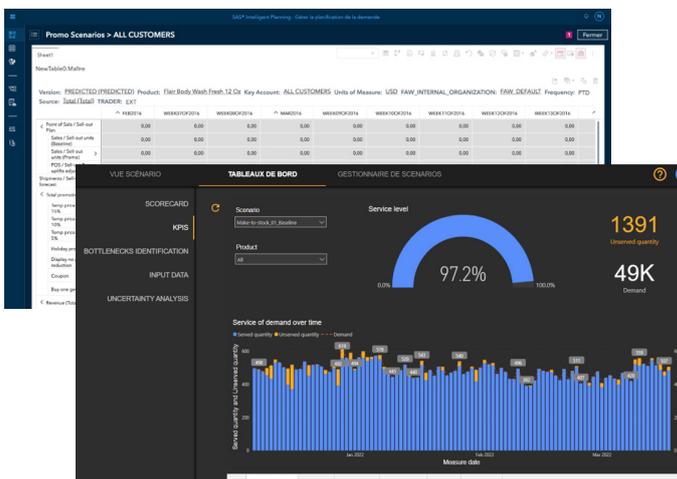
+10%

Production
efficiency

+5%

Profit

Connecting Demand Plans and Forecasts



SIMULATION-DRIVEN SOLUTIONS

- ✔ Get real-time insights to resolve most urgent situations
- ✔ Accelerate both decision-making and the quality delivery of products and services
- ✔ Gain valuable agility and increase sales and operational efficiency
- ✔ Identify trade-offs with several variable and innumerable technical constraints to find best-fit solutions
- ✔ Optimize service levels, costs and environmental impact.

HOW DOES IT WORK?

SAS and Cosmo Tech offer an end-to-end supply chain resiliency solution built upon two key pillars:

The SAS® Intelligent Planning Suite running on SAS® Viya® (AI, analytics and data management platform) that runs on a modern, scalable architecture which efficiently organizes data, predicts consumer demand, detects anomalies, adapts to emerging events, and empowers data-driven decisions at scale.

The Cosmo Tech 360° Simulation Platform is a digital supply chain twin for sourcing, inventory, production, risk and integrated business planning (IBP). It replicates the ever-evolving functions of an organization including physical entities, financial assets, human resources, processes, workflows and constraints.

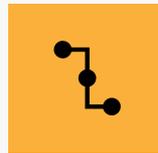
Together, we directly connect demand planning and forecasting with production and inventory planning. Our proven approach democratizes access to digital supply chain twin simulation and data analytics for enterprise customers.

KEY FEATURES



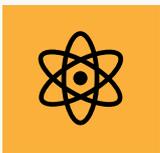
DEMAND FORECASTS

State-of-the art algorithms providing an analytical basis for continuous forecast improvement and a collaborative decision-making process.



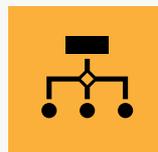
BOTTLENECK IDENTIFICATION

Automatically identify operational issues, conflicting objectives and constraints before they impact your business.



360° HOLISTIC VIEW

Gain comprehensive, end-to-end visibility into the planning process and operational system to align and meet stakeholders' expectations.



ALTERNATIVE SCENARIOS

Test reference supply and production scenarios by getting comparative views for immediate actionable plans.



WHAT-IF & HOW-TO SCENARIOS

Customize and modify «What-If» predictions and «How-To» optimizations for any time scale, system set of constraints or available resources.



SENSITIVITY ANALYSIS

Test the sensitivity of the simulated scenario against uncertainty on key parameters to maximize planning robustness.

-10%
CAPEX

Early digital twin implementers have captured a variety of benefits, including sustainable inventory reductions of up to 5%, capex reductions of up to 10% (through better resource planning and investment decisions), and EBITDA improvements of 1 to 3 percentage points. They have also achieved higher throughput and enhanced service levels.

BCG BOSTON CONSULTING GROUP



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