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 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.

Predicting how these elements will interact is key to making quick and effective decisions, limiting costs, making the best use of production resources and reducing risk in various areas including product availability, customer satisfaction and competitive advantage.

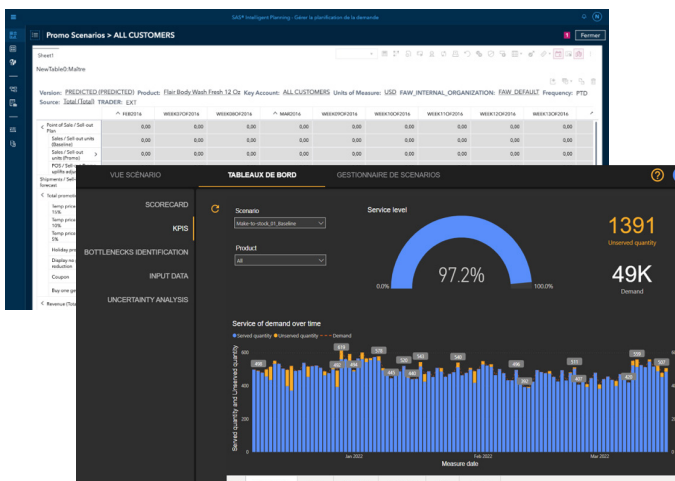| +20%	+10%	+5%
Forecast accuracy	Production efficiency	Profit

Connecting Demand Plans and Forecasts

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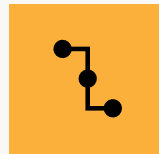
Together, we directly connect demand planning and forecasting with production and inventory planning. Our proven approach democratizes access to digital supply chain twin simulation and data analytics for enterprise customers.

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 visbility 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 actionnable 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 impact of potential disruptors on your entire supply chain and identify where the top potential vulnerabilities are located.

-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

COSMOTECH

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