



Cosmo Tech - SAP IBP - Accenture

Ensure Supply Chain resilience in uncertain & volatile environments

26 MAY 2023

Global disruption will continue to increase

€242 Bn

Supply chain disruptions could amount to a **€242 billion** hit during **2022-23**. That's **2%** of Europe's GDP.

Source: [Accenture](#)



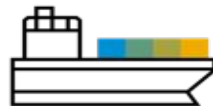
60%

CPGs faced order lead times, prior shipments or material shortages¹.



45%

of companies report no or **poor levels of collaboration** in key supply chain areas¹.



-43%

Transport reliability between mid 2020 (75%) and end 2021 (32%)^{2 3}



80%

of issues occur **beyond the immediate four walls** of the consumer products manufacturer¹.

1: IDC FutureScape: Predictions 2021

2: COVID-19's impact on demand and costs in the CPG industry - McKinsey

Supply Chain Disruptions are a daily challenge for all levels of an organization



Need for external information

Know about external risks and disruptions



Test the robustness of the supply chain

Identify weaknesses, cascading effects and breaking points



Be better prepared for uncertainty in the future

The need for business continuity analysis



Ability to test options and plan scenarios

Simulate all possible alternatives and options



Respond to exceptions faster in planning

Get extended visibility, understand impact and act



**How to
achieve
a resilient
Supply Chain?**

SAP IBP provides the overall Supply Chain planning architecture



Command Center and Digital Twin
Real-time Analytics & Dashboards



Sales & Operations Execution

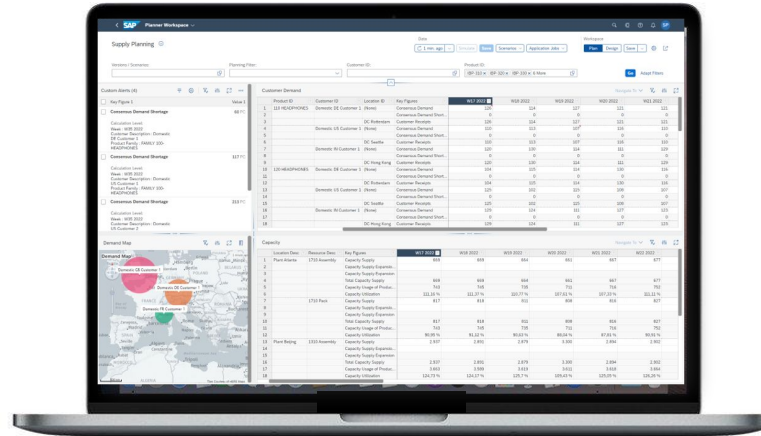


Demand Management,
Forecasting & Sensing
Segmentation, Promotion
Management, New Product
Introduction



Multi-echelon Inventory
Optimization & Simulation
Demand-Driven MRP

Open and Extensible Platform



Scalable | Real-Time | AI-driven



Response & Supply Network
Planning and Optimization

Shelf-Life Planning

Distribution Planning

Transport Load Building &
Optimization

Production Planning & Detailed
Scheduling

Availability to Promise Checks



Collaboration with the
Business Network

External Data, Risks and
Disruptions

Sustainability

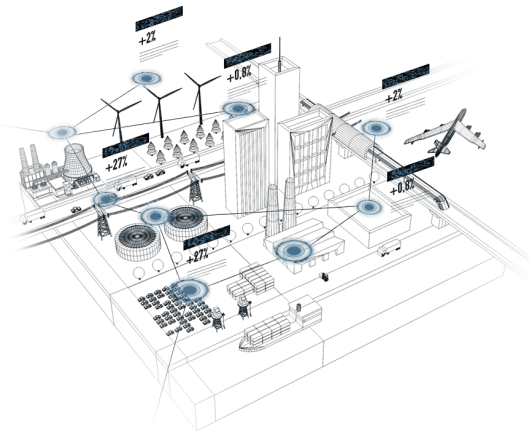
Manage Risk & Uncertainty

Automate Decisions

Synchronize Planning

Cosmo Tech provides more decision-making power using cutting-edge AI-Simulation capabilities

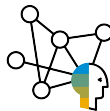
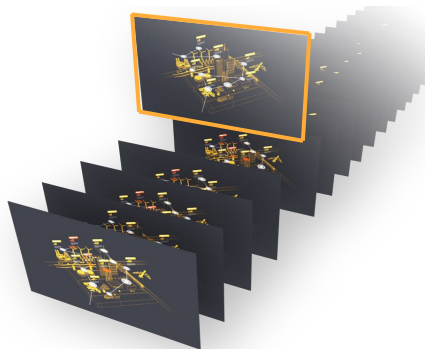
Automate **thousands** of goal-seeking simulations to identify and mitigate all Supply Chain vulnerabilities



WHAT-IS

Digital replica of the system

Assets, processes, resources, constraints...



WHAT'S NEXT

Thousands of "What-If" scenarios

Considering business decisions, all type of uncertainty and unpredictable events.



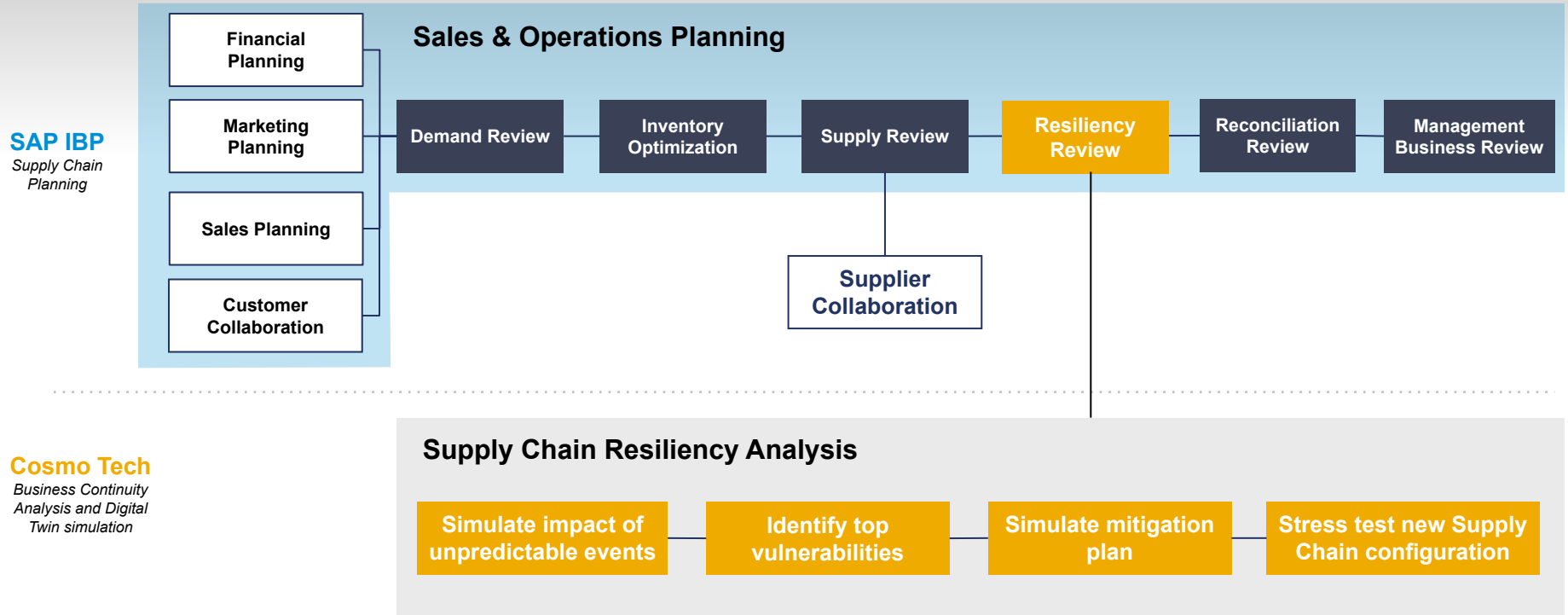
HOW-TO

Optimal action plan

Determine the optimal course of action according to your business goals.

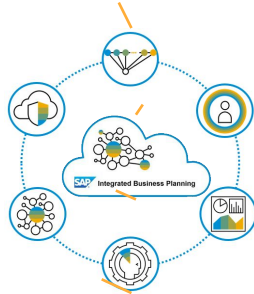
SAP IBP & Cosmo Tech

Manage Supply Chain Resiliency in all levels of planning: strategic, tactical, operational



Navigate uncertainty in the Supply Chain to build resilience and performance

SAP Integrated Business Planning



5-10%

Order fulfillment lead time reduction*

5%-25%

Increase in demand forecast accuracy*

5%-30%

Reduction in revenue loss due to stock-outs*

5%-10%

Cash-to-Cash cycle time reduction*

Cosmo Tech Supply Chain Simulation Twin

10%-30%

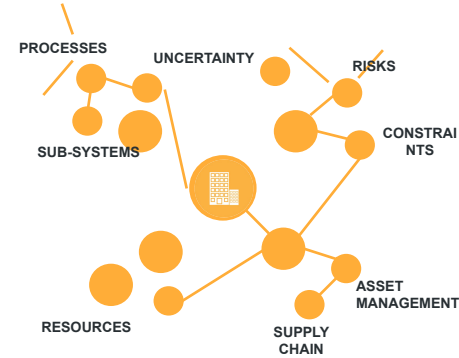
Stock level reduction.

15%-60%*

Transport costs

4%-8%

GHG reduction/year



+5%

Profit increase

+10%

throughput at constant CAPEX

*SAP Performance Benchmarking insights

*Michelin Customer Story

Customer Stories

SAP Integrated Business Planning



“By integrating SAP S/4HANA, SAP IBP for Supply Chain, and SAP Analytics Cloud, we have created the perfect conditions for an **intelligent, data-driven** co-operative that provides the best value for our growers.”

Steve Birgfeld, Vice President Information Technology and Services, Blue Diamond Growers

[More Customer Transformation Stories](#)

Cosmo Tech Supply Chain Simulation Twin



“We know the past, but with Cosmo Tech technology we have the capability to compare different options to evaluate risks.”

Thibaut d'Hérouville, VP Group
Industrial Supply Chain - Michelin

[More Customer Success Stories](#)



“A crisis is always a time of strong change. To accelerate transformation, we need to manage complexity by reducing and simulating it. This requires a business model and simulation model to guide us productively. We can't depend on facts or certainty”.

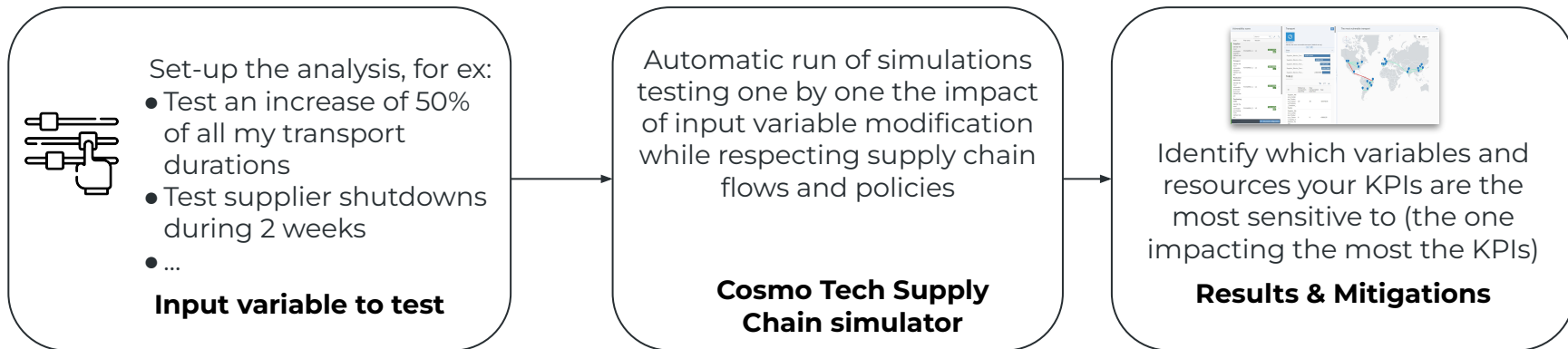
Jerome Fournier, Corporate VP,
Director of Innovation Nexans

SAP IBP & Cosmo Tech

Build Supply Chain Resiliency

Use Case Vulnerability scan

Automatically simulates different disruptions for each supply chain resource and node, one after another, (e.g. a pandemic) in order to identify those which impact profit and/or service levels the most.



SAP IBP plus SAP Business Network and Cosmo Tech

Achieve a risk-resilient Supply Chain

Extended Use Case: Minimize risks by extended visibility with SAP Business Network



Drive with SAP Business Network

- Decrease Costs by collaboration
- Protect Revenue by lower stocks
- Get a more reliable supply plan
- Connect efficiently with partners

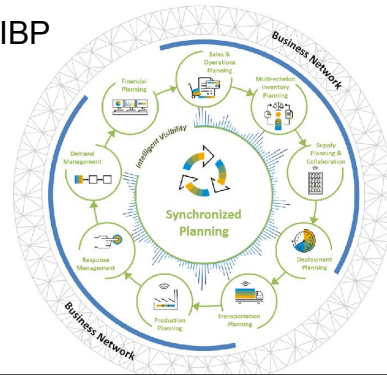


Ensure Supply Chain Resiliency with Cosmo Tech

- Reduce top vulnerabilities
- React faster to disruptions
- Ensure Business Continuity
- Improve Supply Chain resiliency

Add value

SAP IBP



SAP IBP provides tangible benefits

- Get top line revenue growth
- Increase Service Level
- Improve Forecast Accuracy
- Reduce Planning Cycle Time

Add value

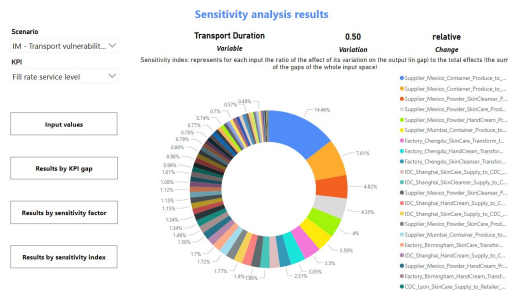
Proactively enhance supply chain resilience and decision-making

Business continuity through proactive risk monitoring and value chain impact analysis



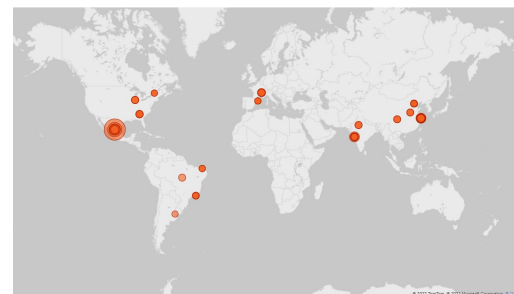
Systemic business impact analysis

Identify top vulnerabilities in your supply chain (resources, operations, transport...).



Unlimited Mitigation Plan scenarios

Simulate unlimited mitigation plans in a risk-free environment and find out the optimal course to action.



Highly accurate and detailed results

Gain in-depth analysis and of the entire system in the face of unpredictable events.

Delivery model

Start small. Create value fast. Expand.



Customer configuration

Accenture finalizes integration and configuration of Cosmo Tech Vulnerability. Scan for immediate business value.



Scale value

Full and regular usage of vulnerability scans and possible extension with additional predefined scenarios.

Assessment & Mobilization 2 weeks

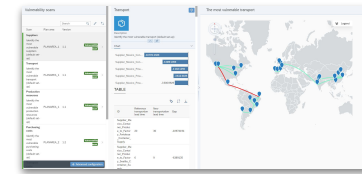
- Prerequisites validation
- Use case evaluation
- Current architecture
- Resource mobilization

Build & System Integration Test 4 to 6 weeks

- Data connector configuration/customization
- Dashboard customization
- System Integration Test
- User Acceptance Test

Run & Expand

- Deployment & hypercare



Prerequisite : SAP IBP installed with either Sales & Operations Planning application or Response & Supply application.

If the installation is not completed, Accenture can offer a 13 weeks journey to implement S&OP with SAP IBP.

Thank you

