

Supply chain and operations platform (SCOP)

Seamless solutions for end-to-end supply chain excellence

The better the question. The better the answer.
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Microsoft

Business drivers

Traditional data lakes and ERP models are yielding less productivity and agility gains. The major supply chain overhaul is speeding up shifts in business models. Supply Chain Management (SCM) and manufacturing GenAI are propelling value chain growth, with a rapid 40%+ CAGR, projecting a market size of over \$25 billion in the next five years. Business drivers propelling this growth include:

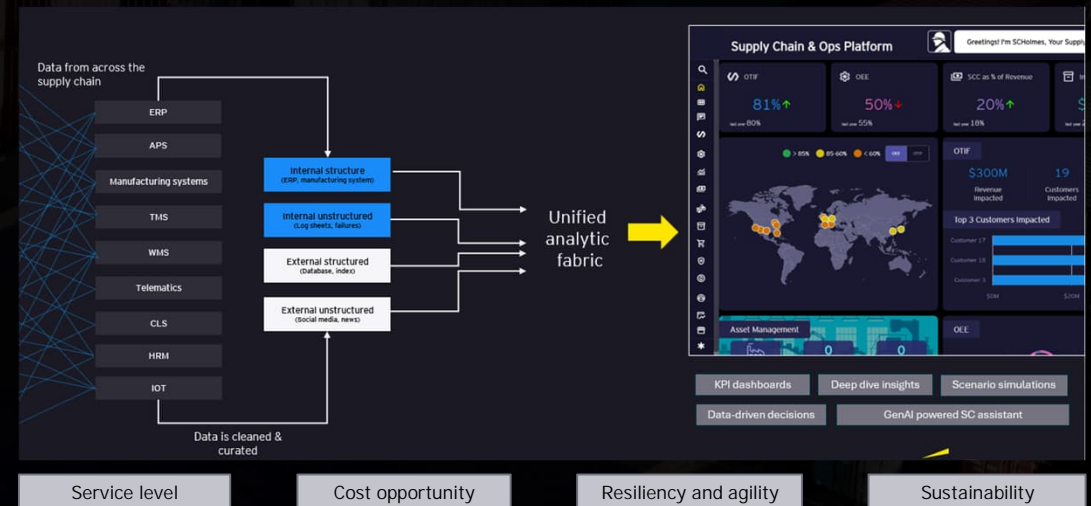
- Real-time supply chain visibility for immediate insights and actions
- Data silo integration and cross-functional collaboration for operational synergy
- Predictive analytics for strategic foresight and decision-making
- Scalable and flexible systems to meet dynamic market demands

Solution overview

The EY AI-driven Supply Chain and operations platform (SCOP) helps empower supply chain leaders to enhance service levels, unlock substantial cost-saving opportunities, and create a resilient, agile, and sustainable supply chain. By dismantling data silos and offering a comprehensive real-time perspective, this Microsoft-based platform enhances collaboration and enables quicker responses to operational challenges, along with effective risk mitigation and disruption management. Leveraging Microsoft Fabric unified data model, data transformation capabilities, advanced predictive analytics, GenAI-driven decision-making, and chatbot support, it promotes smarter strategies and facilitates rapid ROI realization while nurturing long-term supply chain excellence.

The solution addresses key problems that the industry is facing and creates value with the following capabilities:

- Robust scalable platform
- Cross-functional data integration
- Real-time visibility across supply chain
- Advanced simulation and optimization prescriptions
- AI-driven supply chain assistant



Solution Benefits

The EY SCOP platform offers notable value to customers, organizations, and businesses, allowing them to:

- Elevate service levels across all operations, facilitating customer satisfaction.
- Capitalize on cost improvement opportunities for increased profitability and efficiency.
- Enhance supply chain resiliency and agility, enabling quicker responses to market changes.
- Drive sustainability in your supply chain, promoting decarbonization, circularity, etc.

Joint value proposition

EY and Microsoft collaboration can generate tremendous value for clients by:

- Unlocking data-driven supply chain excellence with Microsoft's unified platform
- Empowering agile supply chains using advanced analytics and scenario simulations with Microsoft
- Enhancing operations with predictive analytics and GenAI chatbots through Microsoft Fabric
- Optimizing your supply chain with powerful data tools like Power BI and Synapse
- Driving efficiency and informed decisions with our Microsoft-integrated supply chain platform

Solution differentiators

- Cross-functional data integration facilitating seamless connections for collaborative insights across functions
- Real-time visibility providing instant access to data for enhanced analysis and informed decision-making
- Advanced simulation and optimization tools designed to model scenarios and boost operational efficiency
- Prescriptive analytics offering actionable, data-driven recommendations to optimize decision-making
- AI-driven supply chain assistant leveraging intelligent technology to enhance processes and support decisions

Case study

Optimizing supply chain decisions with custom plant and network-level manufacturing simulation model for a global food manufacturer

Client challenge

- Establish a consistent, data-driven approach to assess supply chain's ability to meet portfolio changes.
- Develop proactive identification methods for changes, highlighting trade-offs to achieve long-term targets.
- Simplify the integrated business planning process amid six plants, 90+ food categories, and 350+ SKUs to optimize make vs. pack decisions across the network.

Engagement summary

EY teams helped with the following:

- Developed a customized model for real-world simulation at both plant and network levels
- Implemented an easy-to-maintain technology stack for accelerated deployment
- Enhanced capability to model multiple constraints in response to business changes
- Facilitated easy comparison of scenarios to support supply chain decision-making

Value delivered

- Identify 20-30% more capacity to facilitate repatriation from co-manufacturing to in-house production.
- Increase network efficiency by 10-20% through optimizing SKUs, cube size, volume and consolidation.
- Improve service levels by 15-25% with strategic SKU selection during peak demand periods.

Contacts

EY



Anand Ponnuswamy
Partner/Principal, Business Consulting
Ernst & Young LLP
Phone: +91 89396 54430
anand.ponnuswamy@gds.ey.com

Microsoft



Jodi Lustgarten
Microsoft Alliance Director
Microsoft Corporation
jodise@microsoft.com

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