BlueYonder   EY   Microsoft Azure

Breaking down silos in supply chain execution

Solving supply chain execution challenges has become a top priority for an economy weary from unprecedented and seemingly unending disruption. Blue Yonder, EY, and Microsoft explore how organizations can gain visibility, increase agility, and build resiliency by addressing 3 key factors contributing to siloed supply chains.

Optimize capacity to eliminate waste

30%

of Logistics Service Providers are looking to acquire their own Digital Freight Management platforms, with 24% wanting to build their own.[1]

Understand cost to maximize value

58%

of Logistics Service Providers indicate pressure to reduce supply chain costs drives investments in supply chain technologies.[2]

Empower workers to reduce shortages

50%

of respondents are employing flexible working hours as a strategy to overcome labor challenges such as turnover and talent retention.[3]

To solve for these challenges

organizations need to break down silos across each node of the supply chain by investing in scalable technology, adopting new IT innovations, and gaining a holistic view of operations – from the warehouse all the way to last-mile delivery.

A scalable technology foundation

"The traditional warehouse-based solutions are built on-premises and not able to scale as quickly. The cloud-based solutions that we're building, and EY teams are deploying, are highly scalable solutions."

Chirag Modi, Corporate Vice President, Industry Strategy, Blue Yonder

Cloud adoption means taking advantage of a globally distributed IT system that can connect every aspect of the supply chain to a centralized data environment with rich microservices for analysis, optimization, and visibility.

62%

of Logistics Service Providers are currently investing in the automation of their logistics facilities.[4]

For organizations looking to

remain agile in the face of supply chain disruptions, Microsoft Azure allows for greater adoption of new technologies and IT scalability, all at a lower cost than traditional on-premises models.

Building innovation with IT investments

50%

of product-centric enterprises will have invested in real-time transportation visibility systems by 2023, according to Gartner.[5]

88%

of businesses worldwide plan to invest in robotics or automation, according to McKinsey.[6]

5x

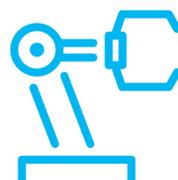increase in the AI software market from 2019 to 2026, as predicted by Omdia.[7]

Efficiency and sustainability

Businesses must understand their existing carbon footprint and how their operations contribute to it, and doing so requires unlocking visibility across the supply chain. Leveraging cloud technologies enables organizations to look at their environmental impacts holistically, using data to paint a big picture while also being able to deep-dive and look at individual warehouses, trucks, ships, and more.

Robotics

From drones to movable shelving and sorting robots, new technologies have made tremendous impacts across supply chains. In warehouses, new technologies such as Robotic Process Automation (RPA) have been deployed to simplify and streamline repetitive tasks, freeing up workers to focus on delivering value. Through investments in automation organizations can uncover new opportunities for efficiency, reduce complexity, and modernize legacy processes.

IoT

IoT provides businesses the ability to enhance their supply chain visibility through logistics tracking, automated inventory management, and production tracking. IoT can provide real-time insights across fleets, warehouses, and production facilities, enabling organizations to understand the health of their supply chain at a moment's notice.
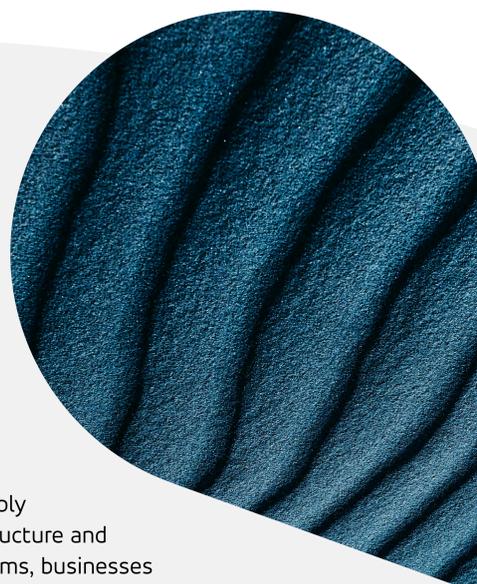
AI/ML

Cloud-based innovations in Artificial Intelligence (AI) and Machine Learning (ML) open new avenues for organizations to gain a holistic view of their supply chain. From intelligently managing inventories in real time to optimizing warehouse efficiency, AI/ML-powered automation can reduce complexity quickly, accurately, and at scale.

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A partnership to support your supply chain transformation

Overcoming supply chain complexity requires more than just the right applications and technologies, it calls for the right balance of industry expertise, global scalable infrastructure, and integrated point solutions. With Blue Yonder's comprehensive supply chain orchestration solutions, built on Microsoft's global IT infrastructure and implemented with industry expertise and best practices by EY teams, businesses can gain visibility across each node of the supply chain, identify and break down existing silos, and future-proof operations.

1 Supply Chain Visibility Report 2020
2 The State of Supply Chain Execution 2021
3 The State of Supply Chain Execution 2021
4 Supply Chain Visibility Report 2020
5 Gartner Predicts the Future of Supply Chain Technology, 2021
6 Industrial Robotics: Insights into the Sector's Future Growth Dynamics (McKinsey, 2019)
7 Artificial Intelligence Software Market Forecasts (Omdia, 2020)

Break down your supply chain silos today

Learn more   BlueYonder   EY   Microsoft Azure