

EY Integrated Business Planning (IBP) Accelerator

Supply chain optimization

Digital advancements and the pandemic are posing significant issues for supply chains globally.

Key challenges:

- Poor customer experience caused by delayed delivery of products
- Loss of revenue because of slow distribution
- Complexities due to multiple channels to market
- Problems with traditional supply chain strategies to match dynamic markets
- Handling vast amount of data in today's enterprise systems and connected devices
- Difficulty integrating new technologies with existing, rigid solutions

EY IBP Accelerator solution benefits clients by:

- Improving customer experience by enhancing supply chain process
- Helping overcome slow distribution with the right supply chain technique
- Reducing complexities to tackle multiple channels
- Simulating supply chain strategies before deploying at scale
- Leveraging client's vast amount of data utilizing Microsoft Azure technology
- Integrating solution with existing supply chain systems

Manage your supply chain with an integrated, market-driven approach

Delivering on customer promises while meeting expectations on cost, growth and sustainability is a significant challenge for supply chain leaders today. In addition, complexities due to multiple channels to market, handling and unifying vast amounts of data across the enterprise, and difficulty integrating new technologies with existing solutions are other challenges plaguing businesses in the face of global volatility.

The EY Integrated Business Planning (IBP) Accelerator solution can help companies struggling to achieve a sustainable breakthrough in their performance and productivity, despite ongoing investments in supply chain and manufacturing excellence programs. The EY IBP Accelerator solution is well suited to help CIOs and business leaders leverage vast amounts of data utilizing Microsoft Azure cloud and improve their business decisions based on historical and forecasted data.

Capabilities of EY IBP Accelerator using Microsoft Azure Services

Capability	Functions
Data Pipelines and modeling	<ul style="list-style-type: none">• Allow continuous integration and deployment by providing streamlined processes including Azure Boards, Repos, Pipelines, Testing and Artifacts using Azure DevOps• Build "Common Data Models" using Azure Synapse• Develop data pipelines that helps in sourcing data from ERP systems to visualize it• Automate, schedule and orchestrate workflows to support data transfer
Reporting and Visualizing data	<ul style="list-style-type: none">• Build reusable dashboard templates capturing industry standard KPIs which help in accessing critical aspects of optimizing a supply chain process• Enhance supply chain needs while maintaining service levels for customers with a blended approach of customer demand forecasts and new demand forecasts
Microsoft Azure Data services	<ul style="list-style-type: none">• Ingest and store demand and supply data using a centralized repository• Offer services including Power BI, Databricks, and Data Lake• Forecast and analyze differences in actual vs planned supply chain KPIs• Deploy models and incorporate advanced machine learning to solve complex issues• Expose outputs of machine learning models to line of business applications as APIs



Predictive analytics solution for a US-based Retail and Pharma company

A US-based Retail and Pharma company was aiming to reduce working capital requirements and maintain service levels.

Client challenges

- Reduce working supply chain capital, improve supply to meet customer demand, and rethink forecasting strategy to gain better business insights
- Develop a predictive analytics solution tailored to incorporate customer, store and product-specific demand

Client benefits

EY teams strengthened the client's supply chain and forecasting capabilities through deployment of IBP Accelerator. Other benefits include:

- Developed a company-tailored broad machine learning system that reduced supply chain working capital by over US\$100m in less than six months while maintaining customer service levels
- Accurately simulated more than 16 scenarios to determine optimal replenishment strategy before going into production
- Provided visibility to stakeholders to view supply chain and simulation results in an interactive dashboard

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EY and Microsoft bring a compelling formula to spark the potential of the cloud and unlock the power of data. We solve our clients' most challenging issues by blending trusted industry expertise with innovative cloud technology. Our strategic relationship draws on decades of success developing visionary solutions that provide lasting value.

Together, we empower organizations to create exceptional experiences that help the world work better and achieve more.

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