

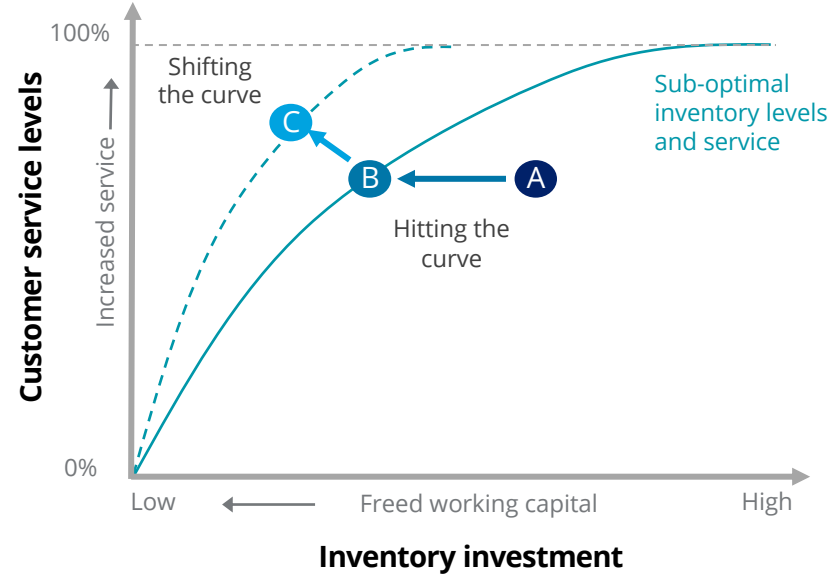
Intelligent Inventory

Right-size inventory, improve underlying drivers and enhance supply chain resilience

Rapid diagnostics and continuous insight into what inventory is needed and why with scenario analysis capability to define how to make improvements

Deloitte's Intelligent Inventory application powered by the Anaplan platform addresses key inventory challenges applicable to organizations including inaccurate target estimations, lack of insights from large scale data, and the need to assess the impact of shifting market conditions. It enables dynamic statistical calculations of inventory parameters, AI / ML insights into drivers of inventory, and scenario planning to make effective decisions

Optimization Journey:



Start first by **hitting the curve** - determine what inventory is needed based on your supply chain capabilities to optimize inventory and remediate excess and insufficient inventory.
Then focus on **shifting the curve** - *improve your capabilities around the drivers of inventory* to increase service while reducing working capital requirements.

Intelligent Inventory capabilities

Deloitte's Intelligent Inventory application addresses systemic inventory challenges through inventory segmentation, optimization algorithms, and digital twin capabilities:

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Inventory segmentation
 Classify inventory items based on standard cost, revenue or quantity sold (ABC), and variability of their demand (XYZ) and assign desired service level targets to optimize inventory position.
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Statistical and AI / ML analysis
 Calculate stock required to meet desired customer service levels using three inventory management models— min/max, economic order quantity, and days of supply.
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Scenario analysis
 Conduct real-time what if analysis using multiple inventory drivers including service levels, lead time, forecast error, or supplier uncertainty to assess the impact on inventory.
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Improvement opportunity identification
 Leverage the built-in and customizable analysis on inventory drivers to identify and prioritize opportunities for uplifting inventory performance over time

Start the conversation

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