## 5 Ways Al Drives Value in Supply Chain Planning

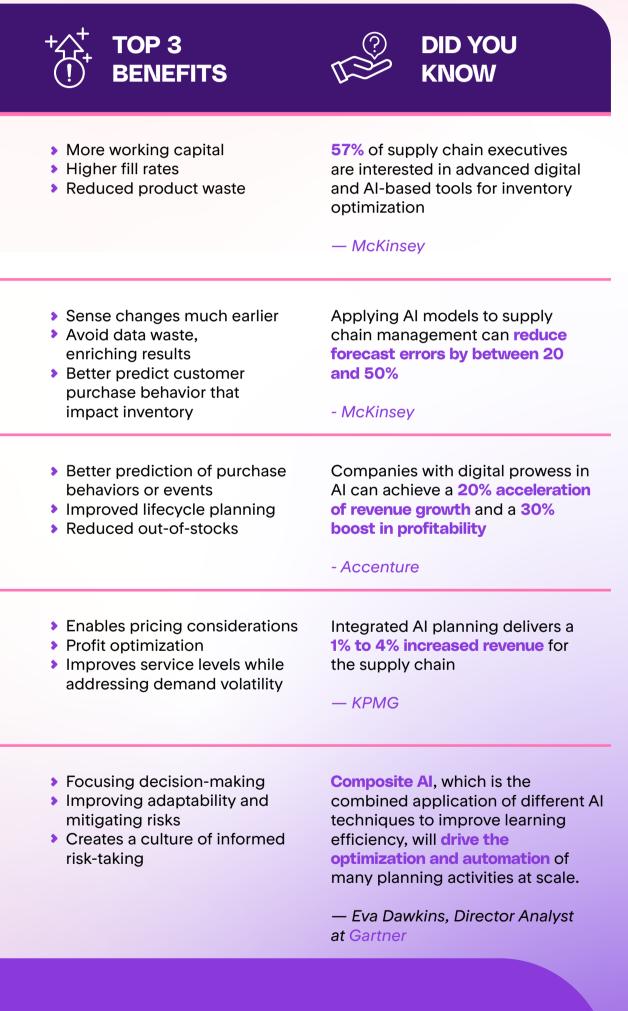
Al delivers tangible value across key areas of supply chain planning, with new capabilities and use cases being added every day. Here are just a few of the ways Al techniques are transforming data into insights and intelligently shaping decision making.

JOHN GALT

			HOW AI TRANSFORMS PROCESSES
1	MEIO (Multi-echelon Inventory Optimization)	Optimizing inventory across the end-to-end supply chain with Al-driven network risk pooling, aggregating demand across locations and fulfillment paths to reduce variability and uncertainty.	<ul> <li>Al-driven data-cleansing</li> <li>Streamlines planner workloads</li> <li>Quickly tackles complex decisions</li> </ul>
2	Demand Sensing	Creating more active and short-term granular demand forecasts, quickly connecting disparate data to extract insights, recommending next steps, and automating intelligent workflows.	<ul> <li>Identifies patterns sooner and faster</li> <li>Identifies non-obvious, causal relationships</li> <li>Improves predictors for greater strength, accuracy</li> </ul>
3	New Product Forecasting	Using AI to analyze product lifecycles, market trends, and demand volume, as well as product affinity based on prior launches, to accurately model and forecast demand for new products.	<ul> <li>Identifies lifecycles across a range of characteristics</li> <li>Calculates demand volume based on trends</li> </ul>
4	Image: Second systemPurchaseOrderOrderOptimization	Improves PO optimization by establishing an optimization framework, analyzing purchase orders by vendor, and ensuring purchases meet minimums and need by dates.	<ul> <li>Optimizes profit with probabilistic elements</li> <li>Determines right-sized replenishment strategies</li> </ul>
5	Shifting to Probabilistic Forecasting	Connecting internal/external data points to account for demand volatility, quantifying uncertainty, incorporating nuanced relationships between variables and interdependencies.	<ul> <li>Dynamically adapts to changing environments</li> <li>Modeling sequential decision making</li> </ul>

## **The Pivotal Role of Al**

The future will bring many more transformative AI innovations to supply chain planning. Partner with a supply chain planning software vendor with expertise and a long track record in AI, like John Galt Solutions, to take the next step into new AI-enabled capabilities and set up your supply chain for success.



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