

6 Requirements for Transforming Supply Chains with AI

To fully leverage artificial intelligence and machine learning in the supply chain, you need good data and processes. Check your supply platform against these six requirements to ensure you get the best results.



01. The full ecosystem must be included and able to collaborate and optimize globally and locally. The system must represent all members, including all tiers in the network. Members must be able to collaborate around common goals but also have the ability to optimize locally.



02. Semi-autonomous guardrails and prescriptions. To enable the transition to autonomous supply chains, the AI should be able to work autonomously within preconfigured guardrails. Outside the guardrails it should act as an AI Assistant, engaging the user with recommendations based on cost-benefit analysis.



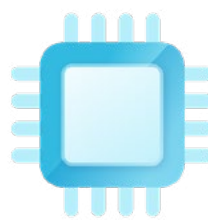
03. A single common supply chain data model. All the data needs to be fused together into a single integrated supply chain model. It needs to be made available in real time and on a single version of the truth for all parties.



04. Continuous and incremental decisions and replanning. The AI system needs to be able to make decisions continuously as execution issues arise and incrementally replan only the areas that need to be fixed.



05. Aware of impact and cost of change. Decisions made by the AI system need to understand the full impact across the supply chain and weigh the cost versus the benefit of the decisions.



06. Self-learning and self-tuning. The AI system should learn on its own and adjust its lead times, safety stocks, and other parameters, based on changes in variability measured or anticipated.

Supply chain reimaged

Turn your supply chain into a competitive advantage with end-to-end visibility and control across your entire ecosystem. Effectively plan, execute, and continuously and incrementally optimize supply, demand, and logistics.