THE FUTURE OF SUPPLY CHAIN WITH GENERATIVE AI

Navigating supply chain disruptions has become the top priority for enterprises in the post-COVID business environment. Technology and innovation is one way for supply chains to adjust to a new reality and to withstand tight market competition.

### KEY CHALLENGES

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<tr>
<th>INVENTORY OPTIMIZATION</th>
<th>Reaching optimal inventory levels to meet customer demand while minimizing holding costs and avoiding stockouts requires accurate demand forecasting, effective communication, and coordination between suppliers, manufacturers, and retailers.</th>
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<tr>
<td>MATERIALS AVAILABILITY</td>
<td>Ensuring the timely delivery of high-quality materials and goods through building and maintaining strong partnerships, monitoring supplier performance and vendor diversification.</td>
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<td>DIGITALIZATION</td>
<td>An extraordinary level of efficiency and resilience can be achieved by leveraging the cloud, IoT, and other cutting-edge technologies together with digital twins and control towers to effectively manage the challenges presented by today's dynamic business environment.</td>
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<td>AUTOMATION</td>
<td>Increased adoption of supply chain robotics, low code and RPA solutions to tackle the labor shortage and improve workforce productivity.</td>
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<td>SUSTAINABILITY AND ESG</td>
<td>Responsible sourcing, reducing environmental impacts, and addressing social and labor concerns pose significant challenges as organizations strive for more sustainable and ethical supply chains to minimize environmental impact and promote responsible resource management.</td>
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### GENERATIVE AI BUSINESS BENEFITS

AI applied in supply chain management offers the potential to enhance enterprise resilience, sustainability, and cost structures. Generative AI serves as a powerful catalyst, amplifying the combined capabilities of humans and technology to establish efficient and robust supply chains in planning, sourcing, manufacturing, or logistics. We suggest you consider some of the most promising directions for the future, as shown below.

- Automate tasks and scale processes
- Reduce costs and increase efficiency
- Generate insights from various data sources
- Identify bottlenecks in the value chain
- Optimize internal processes
- Select suggested options for risk mitigation
- Simulate optimization scenarios
- Increase competitive advantage
**MOST PROMISING GENERATIVE AI USE CASES**

- **Vendor Screening**
  Automate the process of vendor management and vendor selection. Cut down the time needed for supplier identification from weeks to days.

- **Shelf Life Inventory Management**
  Reduce the amount of product waste by proactively identifying upcoming expiration risks and selecting the most optimal mitigation scenario.

- **Inventory Optimization**
  Identify upcoming product shortages and excess inventory to provide planners with the prioritized list of availability risks.

- **Order Management**
  Intelligent assistant to track order status, delivery dates, transportation schedule, and payment execution to avoid data extraction from various systems on a daily basis.

- **Disruption Assessment**
  Analyze external data to identify natural, political, and economic events in different regions and countries that can lead to disruption within the value chain (e.g., earthquakes, pandemics, port conjunctions).

- **Inventory Optimization**
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- **Vendor Screening**
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GET STARTED ON YOUR GENERATIVE AI JOURNEY

LET SOFTSERVE ACCELERATE YOUR GENERATIVE AI JOURNEY WITH 3 OFFERINGS

Don't be left behind in the race to harness the disruptive innovation of Generative AI. SoftServe defined Generative AI adoption patterns that are designed to help you navigate the complexities of this emerging technology. We will help you select an appropriate adoption pattern or its combinations for building tailored solutions to meet your enterprise's unique needs. Expedite your journey towards a new way of productivity and creativity with SoftServe Generative AI offerings, positioning your business as a leader in the industry:

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**AI DISCOVERY**

*From Interest to Discovery: Generative AI Ecosystem and Implications for My Business*

- Use Cases & Business Impact Priorities
- Data Quality and Availability
- Technology Trade-offs and Architecture
- Technical Feasibility with POC

**AI LAUNCHPAD**

*Launchpad to Innovation: Evidence-Based Exploration and Deployment*

- Generative AI Lab
- AI Launchpad Program for rapid experimentation
- Value Stream Mapping & Use Cases
- POC/POV Pipeline

**AI ADOPTION**

*From Insight to Impact: Rapid Scaling and Adoption in My Organization*

- Generative AI Adoption Roadmap
- Technology Strategy
- Data Strategy
- Change Management and AI Governance
- Generative AI Solution Development
- Generative AI in Product and Engineering Teams

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It's urgent and the time to start is now. But you know that Generative AI is not a deployment sprint. With SoftServe’s experts to address your unique enterprise needs and guide you through possible adoption options, you will move past the hype and harness its benefits for your enterprise.

Learn more about SoftServe’s Generative AI Lab, POVs, offerings, and partners. Visit us at our [Generative AI website page](#).
YOUR PARTNER FOR THE FUTURE

DIGITAL ADVISORS, SOFTWARE INNOVATORS, AND EXPERIENCE BUILDERS

30 Years of Experience  98% Client Retention  14 Countries of Operations  58 Offices Worldwide

GOOGLE CLOUD EXPERTISE
As a Google Cloud Partner and the winner of the 2020 Google Cloud Partner of the Year Award for Machine Learning, SoftServe is committed to helping customers solve their most pressing business challenges. SoftServe utilizes Google Cloud's AI ecosystem, including tools such as Google Cloud Vertex AI and Generative AI App Builder. Learn more

GCP Enabled Customers  GCP Certified Resources  Data Science Experts  Anthos Fellows

120+  690+  100+  3

AMAZON WEB SERVICES
As an APN Premier Services Partner, SoftServe acts as an exceptional cloud guide, vastly decreasing the time to achieve cloud value. By doing so, SoftServe ensures that your AI initiatives unleash the full potential of AWS Machine Learning services, such as Amazon Bedrock and SageMaker, and that they are deployed in accordance with AWS Well-Architected best practices. Learn more

AWS Certified Resources  AWS Certified Solution Architects  AWS Professional Certifications  AWS Competencies

500+  100+  50+  11

MICROSOFT
Innovate with purpose, rationalize costs, and drive efficiencies with Microsoft Azure's open and flexible cloud computing platform. Leverage Azure OpenAI and Machine Learning services to deliver next-generation AI solutions. As a Gold Microsoft Partner, SoftServe enables your business to build and deploy on your terms — both today and in the future. Learn more

Azure Certified Professionals  Years as a Microsoft Partner

250+  19+

NVIDIA
As an NVIDIA Service Delivery Partner, SoftServe harnesses NVIDIA's cutting-edge technologies, like GPU-accelerated compute infrastructure, to deliver robust AI solutions. Leveraging NVIDIA’s NeMo Service, SoftServe streamlines the development of Generative AI products, driving rapid digital transformation. Learn more
DEEP TECHNOLOGY EXPERTISE IN AI/ML
HUMAN-FIRST APPROACH TO DESIGNING EFFECTIVE EXPERIENCES
INDUSTRY EXPERTISE AND PARTNERSHIPS WITH CLOUD SOLUTIONS PROVIDERS

— We have deep technology expertise in AI/ML, XR, blockchain, and automation.
— We take a human-first approach to designing effective experiences.
— We have industry expertise and partnerships with solutions providers.

LET'S TALK