



SOFTSERVE GEN AI INDUSTRIAL ASSISTANT, ACCELERATED

BY NVIDIA NIM™ AGENT BLUEPRINTS

MANUFACTURING

AUTOMOTIVE

ENERGY



Equipment management in manufacturing and the industrial sector is fraught with technical demands and complexities that lead to operational inefficiencies. The Gen AI Industrial Assistant created by SoftServe and accelerated by NVIDIA NIM™ microservices helps you overcome these hurdles.

The Gen AI Industrial Assistant deciphers and analyzes data, offering quick access to equipment manuals while giving real-time guidance. It assists in streamlining the navigation of equipment manuals, accelerating troubleshooting, and simplifying maintenance tasks. The solution is crafted with an emphasis on user experience, featuring a highly customizable dashboard that seamlessly integrates digitized manuals, guidelines, and task-specific data analytics. Industrial Assistant ensures continuous optimization and management integration. It enables workers to effectively monitor equipment health, predict failures, and optimize performance.

VALUE

Unlike custom solutions that often involve extended engagement periods and coordination with multiple parties, our packaged solutions, such as Gen AI Industrial Assistant, provide ready-to-use AI technology that is streamlined for quick implementation, simplifying and accelerating the adoption of Gen AI applications in production environments.

Fully deployed on Microsoft Azure Cloud infrastructure, this solution enhances real-time guidance for your team to accelerate troubleshooting. Gen AI Industrial Assistant offers instant KPIs by leveraging NVIDIA NIM™ microservices and Microsoft Azure services such as Azure AI Document Intelligence for text extraction and processing from unstructured data, Azure Cognitive Search for efficient data retrieval, and Azure Time Series Insights for managing structured data storage.

KEY BENEFITS

10%

increase in overall equipment effectiveness

56%

decrease in equipment defects via root cause analysis

50%

reduction in onboarding time

83%

decrease in average search time for information

Comprehensive support within the **NVIDIA** and **Microsoft Azure** ecosystems



USE CASES



Training coordination: Ensure effective technical knowledge transfer during onboarding, backups, or change management.



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Troubleshooting and maintenance: Experience step-by-step troubleshooting and quick resolution of equipment issues with real-time guidance.



Equipment handling and safety: Enhance operation safety standards with real-time advice and guidance.

NVIDIA AI ENTERPRISE TECH STACK AND MICROSOFT AZURE SERVICES



NVIDIA NIM™



NVIDIA Riva ASR



NVIDIA Riva TTS



NVIDIA NeMo™ Guardrails



Microsoft Azure Cognitive Search



Microsoft Azure AI Document Intelligence



Microsoft Azure Time Series Insights

VALUE TO CLIENTS ON THEIR GEN AI JOURNEY

NVIDIA, SoftServe, and Microsoft Azure Cloud infrastructure leverage the power of AI and accelerated computing in the cloud, offering innovative solutions that align with our clients' business outcomes. As an NVIDIA Elite Service Delivery Partner and Microsoft Solutions Partner, SoftServe's expertise helps clients evaluate, prioritize, implement, and scale industry-specific Gen AI (and AI/ML) applications in Microsoft Azure Cloud environments. NVIDIA designs the most advanced hardware, systems, and software for AI factories, while Microsoft Azure Cloud and services bring together the global scale, security, and advanced computing capabilities. Together, we enable our joint clients to quickly find a path to success that scales with growth during their Generative AI adoption.

[Find out more](#)

