



SOFTSERVE GEN AI INDUSTRIAL ASSISTANT, ACCELERATED

BY **NVIDIA AI 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 AI Blueprints 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. Supported by AWS's robust CI/CD and monitoring tools, Gen AI 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 AWS 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 AWS services such as Amazon S3 for data storage and Amazon Elastic Kubernetes, simplifying the process of building, operating, and maintaining containerized applications.

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 **AWS Cloud** ecosystems



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USE CASES



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.



Performance monitoring: Monitor the health of the equipment, predict failures, and optimize performance.



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

NVIDIA AI ENTERPRISE TECH STACK AND AWS SERVICES



NVIDIA NIM™
microservices



NVIDIA
NeMo™ Guardrails



Amazon S3

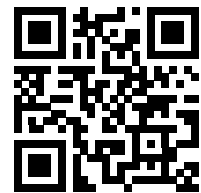


Amazon Elastic
Kubernetes

VALUE TO CLIENTS ON THEIR GEN AI JOURNEY

NVIDIA, SoftServe, and AWS 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 AWS Premier Tier Services Partner, SoftServe's expertise helps clients evaluate, prioritize, implement, and scale industry-specific Gen AI (and AI/ML) applications in AWS Cloud environments. NVIDIA designs the most advanced hardware, systems, and software for AI factories, while AWS Cloud infrastructure and services enhance availability and scalability when deploying AI solutions into production. 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](#)



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