AWS Gamechangers

How Infor and GMM Pfaudler revolutionized inventory management with generative AI

Kirsten Allegri Williams
Chief Marketing Officer
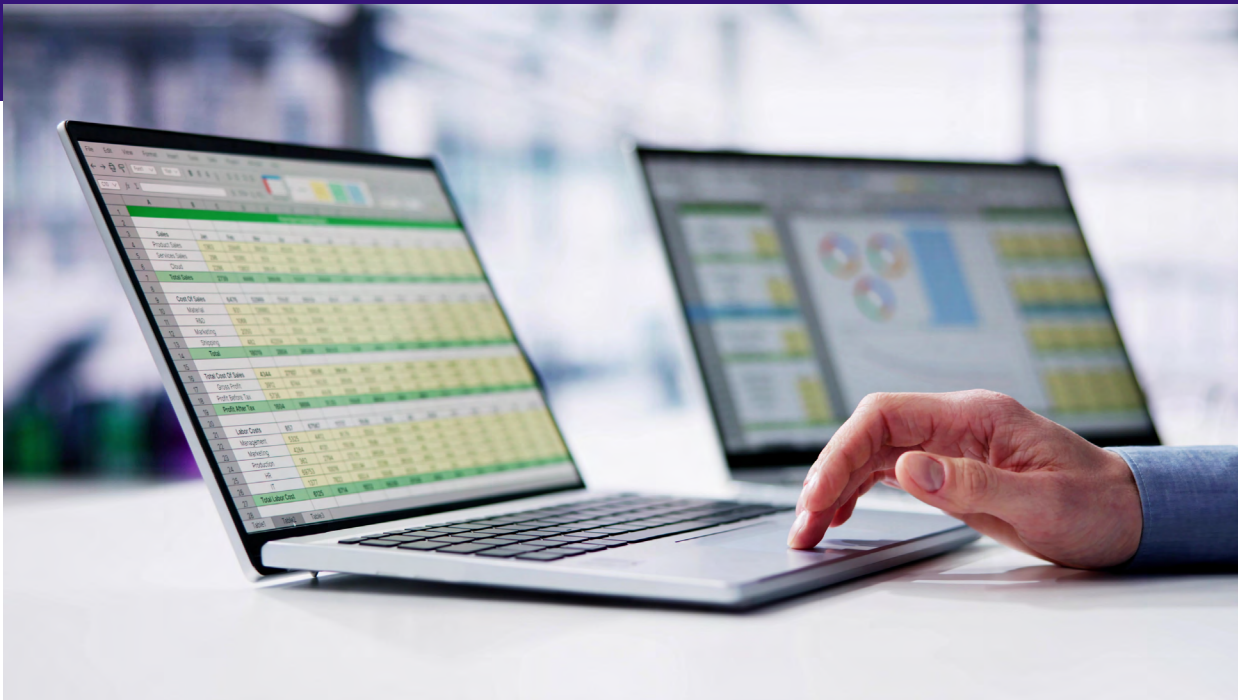Infor

Elisabetta Venezia
Group Director, ERP System & Data Management
GMM Pfaudler
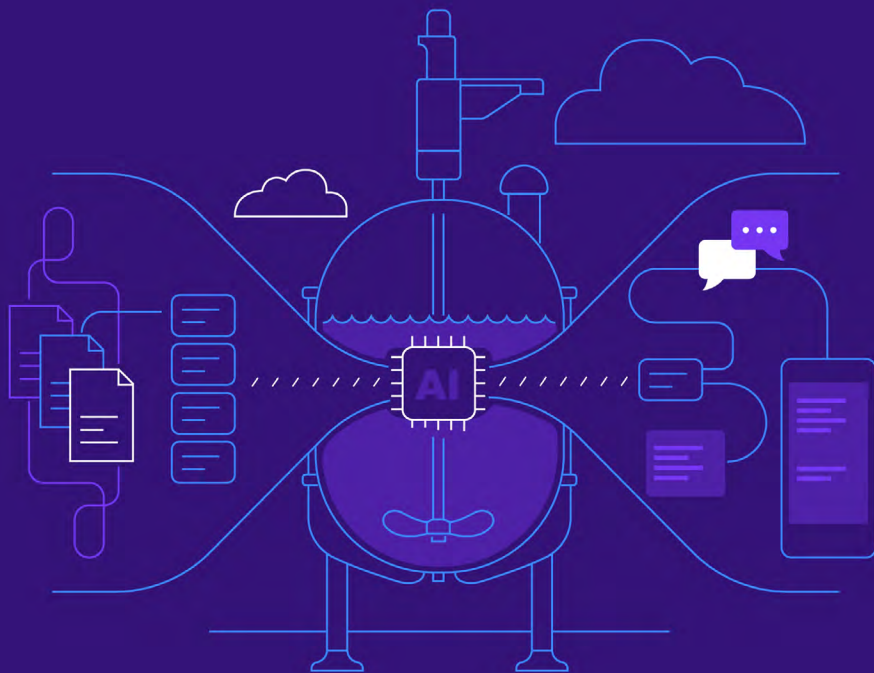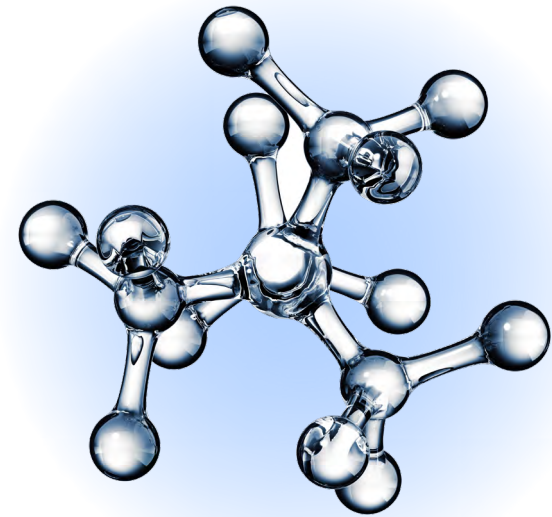
Vignesh Subramanian
VP, Product Management
Infor

Managing inventories across languages and regions can increase the risk of errors, redundancies, and waste.

GMM Pfaudler turned to generative AI to transform how it manages an inventory of more than 800,000 chemical and pharmaceutical items. By modernizing operations, the company cut redundant entries, created clearer and stronger product names, generated technical descriptions, and ensured consistent translations across multiple languages.

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GMM Pfaudler is a leading technologies, systems, and services provider for the chemical and pharmaceutical industries. They design, manufacture, install, and service corrosion-resistant equipment and complete chemical process systems tailored to the unique requirements of their customers. Their customer base includes more than 90% of the world's top 20 ICIS chemical companies.

CHALLENGES

Logically group 800,000 unstructured inventory items to eliminate redundancy and improve data organization.

Generate high-quality item names and descriptions, and translate them accurately into multiple languages.

Accelerate a manual process that previously took up to five minutes per item and was prone to human error.

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Building Infor's cloud architecture from the ground up using AWS services offers our customers distinct and unique innovation advantages. It was one of the single most important decisions we made when building our CloudSuite, a decision that Infor, our partners, and customers benefit from every day.

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Kirsten Allegri Williams
Chief Marketing Officer
Infor

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To modernize its complex inventory system, GMM Pfaudler partnered with Infor to create and implement generative AI solution with security in mind.

Amazon Bedrock

Amazon Bedrock served as the foundation for Infor's generative AI solution, leveraging Claude 3.7 as its core model to intelligently categorize inventory items.

Amazon SageMaker

Infor used Amazon SageMaker to train and deploy their machine learning models. This enabled automation of consistent, technical product names and descriptions, as well as large-scale translations across multiple languages.

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It took only six weeks to get to a POC, and then we took it to production under 90 days.

"

Vignesh Subramanian
VP, Product Management
Infor

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Generative AI on AWS helped GMM Pfaudler in many ways. Its estimated project timeline decreased from over seven years to just six months. Automation drove a 95% increase in productivity, with manual processes requiring as long as five minutes reduced to a few seconds. The company also achieved a 5% reduction in inventory costs across its global operations.

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Following the success of their inventory project, GMM Pfaudler is now exploring additional ways generative AI can enhance operations, including supply chain management, complex production planning, and generating project quotes more accurately and quickly using historical data.

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We would have never solved the problem without AWS and generative AI.

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Elisabetta Venezia
Group Director, ERP System & Data Management
GMM Pfaudler

By leveraging generative AI from Infor and AWS, GMM Pfaudler dramatically increased productivity while saving time and resources. What was once a slow, manual process has been transformed into a secure, scalable solution that automatically standardizes and categorizes hundreds of thousands of multilingual inventory items across its global operations.

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Infor is a global leader in business cloud software products for companies in industry-specific markets. They develop industry cloud complete solutions for their focus industries, including industrial manufacturing, automotive, aerospace and defense, distribution, healthcare, fashion, public sector, and food and beverage. Since partnering with AWS in 2014, Infor has fully integrated AWS technology into its operations, making AWS services the exclusive foundation for Infor's industry-specific cloud business applications.

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AWS Gamechangers

AWS Gamechangers showcases partners and customers who are transforming business with generative AI on AWS, featuring world-changing innovators captured through the lens of legendary photographer George Lange.

Explore further at bit.ly/aws-gamechangers