



Put industrial data to work with generative AI



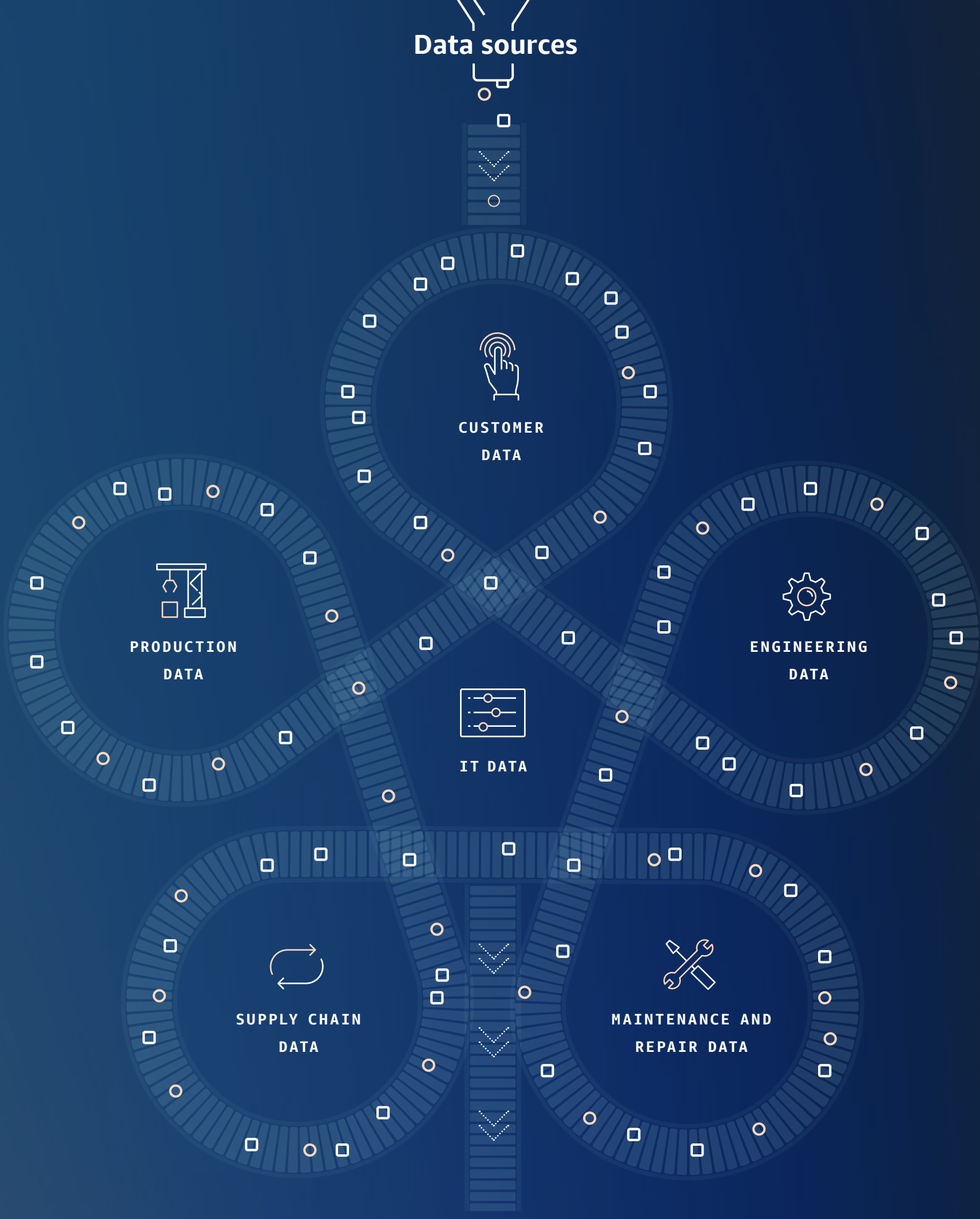
To remain competitive, today's manufacturers need to move fast—quickly turning OT and IT data into actionable insights and embracing innovation that keeps them one step ahead.

But they also need to act with precision to develop new and better designs faster, optimize production, minimize downtime, reduce risk, and address skilled worker shortages.

Generative artificial intelligence (AI) delivers speedy recommendations and intelligence to transform the future of manufacturing. With generative AI, manufacturers can reinvent engineering efforts, improve overall equipment effectiveness (OEE), and push the boundaries of what's possible.

Driving innovation with generative AI

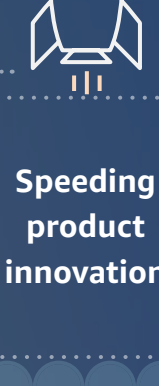
Modern manufacturers face intense pressure to do more faster, with less cost and waste. Generative AI can help bridge the gap—but first, manufacturers must access, unify, and migrate industrial data to the cloud.



Choose the appropriate foundation models (FMs)



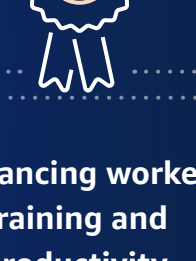
Benefits



Speeding product innovation



Improving factory efficiency



Enhancing worker training and productivity

Gain new insights with your industrial data

Combined with an **end-to-end data strategy**, generative AI on Amazon Web Services (AWS) provides enterprise-grade security and privacy, a choice of leading FMs, a data-first approach, and the most performant, low-cost infrastructure to drive innovation and create substantial business value for manufacturers.



"Although we've used AWS technologies for years in our Fusion product for generative design, we recently unveiled Project Bernini, a new generative AI model that can create functional 3D objects from 2D images, multiple views, or text descriptions. Trained on millions of diverse 3D shapes, Bernini can generate realistic objects that are applicable in architecture, and product design applications."

Steve Hooper, VP for Design & Manufacturing Software Tools

Leading industrial generative AI use cases

Transform the future of manufacturing operations.



Develop new and improved designs faster

Run simulations with synthetic data, uncover innovative designs, and engineer and improve products faster.

Improve OEE

Speed production with reliable production adjustment recommendations and improve machine availability with suggested repair procedures and maintenance actions.



Enhance worker training and productivity

Provide operating and repair guidance on complex machinery around the clock, automatically maintain a knowledge base with frequently asked questions, and foster a culture of continuous learning and improvement.

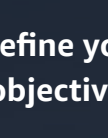


"[Amazon] Quicksight's new Q-powered authoring experience is a huge time saver to create calculations without stopping for reference, all with fast, and then refine the visual presentation for a precise experience, built with natural language."

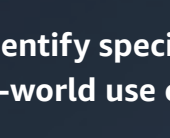
Christoph Albrecht, Data Engineering & Analytics Expert, BMW Group

Modernize your manufacturing with generative AI

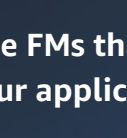
Ready to begin your generative AI journey? The following steps can help you start with the right strategy:



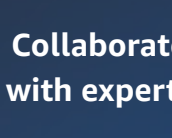
Define your objectives



Identify specific real-world use cases



Choose FMs that best fit your applications



Collaborate with experts

Take the next step by reading *The Future of Manufacturing with Generative AI* ebook. Discover how AWS can help sharpen your competitive edge and increase innovation with the power of generative AI.

[Download the ebook >](#)

[Contact AWS to get started >](#)