

THE AI FACTORY THAT BRIDGES DATA TO VALUE

Examine AI's impact on the business landscape, its challenges and opportunities, and how organizations can leverage AI to transform data into business value.

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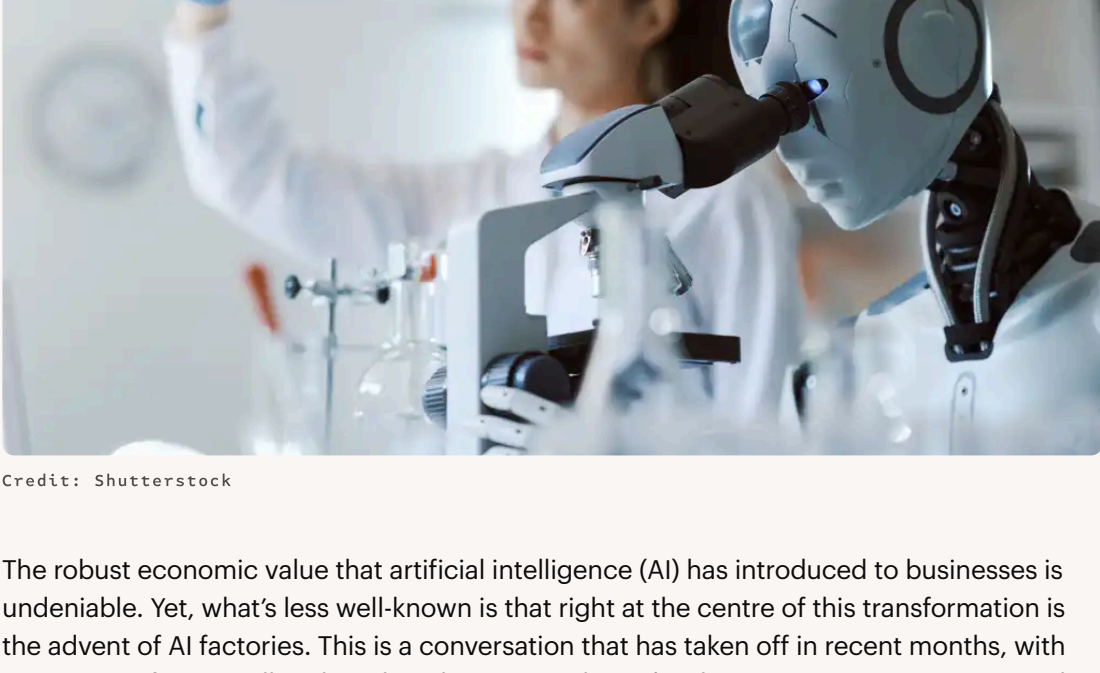


What does AI success look like? Real stories from across industries

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Artificial Intelligence



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The robust economic value that artificial intelligence (AI) has introduced to businesses is undeniable. Yet, what's less well-known is that right at the centre of this transformation is the advent of AI factories. This is a conversation that has taken off in recent months, with companies—from small and medium businesses (SMBs) to larger enterprises—increasingly exploring the use of AI factories within their operations.

That said, lingering questions persist around the technology's potential. At present, AI factories are still largely an enigma, with many businesses believing that it requires specialist hardware and talent for the tool to be deployed effectively. That's why Dell Technologies aims to bring the AI factory to life for organizations of all sizes via the **Dell AI Factory with NVIDIA** [<https://www.dell.com/en-au/dt/nvidia-ai.htm>].

Powering AI at speed and scale

The Dell AI Factory with NVIDIA is Dell's approach to accelerating AI innovation with a portfolio of products, solutions and services tailored for AI workloads, so businesses can wield AI for a competitive edge. Not only is it capable of operating across various environments such as cloud, data centres, workstations and edge locations, the Dell AI Factory with NVIDIA is designed to simplify AI adoption, such that AI initiatives can be performed at speed and scale.

And with an AI approach that's designed for specific business needs, the Dell AI Factory with NVIDIA can transform data into insights, thus maximizing the value of their data. It also safeguards proprietary information by ensuring privacy, governance and full control of these data.

Here are what lies beneath the hood of the Dell AI Factory with NVIDIA:

- **Data:** As high-quality data powers the AI factory, the Dell AI Factory with NVIDIA is bringing AI as close to where data resides. Data protection is also integrated within the Dell AI Factory with NVIDIA, which ensures the security and recoverability of proprietary data.
- **Infrastructure, services and open ecosystem:** Made up of these three layers, they are purpose-built for AI workloads and deployment to operate seamlessly, and with expert assistance offered across every stage of the AI journey.
- **Use cases:** From content and code creation to digital assistants, the Dell AI Factory with NVIDIA can help businesses tailor their solutions to deploy AI use cases that will power their business outcomes.

How businesses have benefited from AI factories

The myriad benefits of the Dell AI Factory with NVIDIA have been discussed previously, from **levelling the playing field for SMBs** [<https://www.cio.com/article/3617816/why-your-business-is-never-too-small-for-an-ai-factory.html>] to **making sense of enterprise data** [<https://www.cio.com/article/3623231/how-to-make-sense-of-your-enterprise-data-with-ai.html>] with AI. But some of the most forward-looking businesses across industries, from cloud service providers to production houses, are already taking advantage of the technology to reap tremendous rewards.

- **Extend patient care with powerful AI research: Essen University Hospital** [<https://www.dell.com/en-au/dt/case-studies-customer-stories/essen-university-hospital.htm#scroll-off>] wants to expand its use of generative AI (GenAI) to enhance its healthcare delivery. The organization tapped on the Dell AI Factory with NVIDIA to power robots and chatbots that would allow patients to register, provide details and receive responses to questions in their native language. Leveraging GenAI to fuel its Large Language Models (LLMs) allows them to reduce hours spent on administrative tasks, saving them time waiting for translators and overcoming language barriers. Meanwhile, Essen could perform more simultaneous research projects via GenAI while prioritizing personalized patient care.
- **Bring creative visions to life through GenAI: Kennedy Miller Mitchell (KMM)** [<https://www.dell.com/en-au/dt/case-studies-customer-stories/kennedy-miller-mitchell.htm?hwe-kennedy+miller+mitchell+customer+story#scroll-off>], an Australian production house, has partnered with Dell and NVIDIA to build its GenAI platform. This greatly accelerated its production workflows, enhancing collaboration across teams on production files, with 20 times performance gains in distributing production files and rapid pre-visualization of entire film sequences, as scenes can be loaded in 30 seconds as opposed to 10 minutes. KMM could also operate 50 times faster than traditional methods, while shortening the time to market.
- **Power an AI robot companion for speech learners: Norby** [<https://www.dell.com/en-au/dt/case-studies-customer-stories/norby.htm#scroll-off>], an Australian tech innovation company, wanted to power its LLMs to drive intelligent conversations for its language robot. By leveraging the Dell AI Factory with NVIDIA, Norby was able to expand from supporting 20 languages to teaching more than 40, which is done by improving the speed and reliability of its compute-intensive workloads. Moreover, models that previously had to be run overnight can now be completed within an hour, so Norby can keep iterating with minimal delay. Dell and NVIDIA also empowered the AI robot with AI-accelerated software to leverage and finetune AI workloads, which improved the speed and reliability of its processes significantly.

There's no better time to harness the full potential of AI. Discover how your business can accelerate your AI initiatives with the **Dell AI Factory with NVIDIA** [<https://www.dell.com/en-au/dt/nvidia-ai.htm>].

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