

# AI innovation drives improved productivity and sustainability across industries worldwide

The Dell AI Factory with NVIDIA enables Worley to rapidly develop, deploy and scale AI solutions for its global workforce.



## Business needs

Worley helps customers across energy, resources and chemicals industries innovate to become more sustainable and address their most urgent business concerns. To accelerate and support client projects, Worley creates AI solutions to augment employee capabilities.

## Business results



**Shortens time to value** for AI initiatives using the Dell AI Factory with NVIDIA.



**Improves workforce productivity** with AI for advanced content generation.



**Enables greater scalability and performance** over previous solutions with on-premises AI infrastructure.



**Helps clients gain a competitive edge** by fostering innovation and sustainability.

## Solutions at a glance

- [Dell AI Factory with NVIDIA](#)
  - [Dell PowerEdge XE-Series Servers with NVIDIA GPUs](#)
  - [Dell PowerScale Storage](#)
  - [Dell Validated Design for AI Factory](#)
  - [Dell Professional Services](#)
  - [NVIDIA AI Enterprise](#)
  - [NVIDIA Quantum InfiniBand Switches](#)



**Dell AI Factory with NVIDIA reduces time to value for innovation and improves efficiencies for engineers.**

Worley, a global provider of innovative sustainability solutions, has driven transformation across the energy, resources and chemicals industries for over 50 years. Delivering large construction, engineering and energy projects, the company has relied on machine learning and AI for decades to help its clients reach their goals and modernize operations for sustainability. As Worley helps the energy industry transform for the future, AI will be a critical enabler of sustainable innovation that benefits organizations and communities around the globe. Anup Sharma, group president of Worley Digital, says, "We believe AI is here for the good of people and countries around the world, and it allows tremendous innovation."

## AI improves workforce productivity

Clients look to Worley to help them operate more sustainably and address urgent business challenges as rapidly as possible. Worley relies on human-centric AI and Generative AI (GenAI) to support and augment the work of employees. "We expect to do the work of 100,000 people with a workforce of 50,000," states Sharma. "AI-powered solutions will help us unleash our capabilities and achieve significant improvements in project productivity and delivery."

To accelerate the pace of innovation, Worley partnered with Dell Technologies, NVIDIA, and World Wide Technology (WWT) to design and build its own AI factory. Summer Husband, senior vice president of data products and applied intelligence at Worley, says, "AI is pivotal to Worley achieving our sustainability goals. The Dell AI Factory with NVIDIA plays a critical role in that. It enables us to work closely with some of the top experts in the technology space alongside our own industry subject matter experts so that we can really drive value for our customers."

## Rapidly scaling enterprisewide AI solutions

Soliciting input from its global workforce, Worley identified highly promising use cases for AI, GenAI and agentic AI, and is quickly advancing them to drive sustainability objectives across its operations and the industry. "One of the key benefits of the Dell AI Factory with NVIDIA is that it enables us to roll out products at scale across our organization in a very efficient way," Husband notes.

To accelerate and support customer projects, Worley is creating a suite of AI-powered tools that will enhance workforce efficiency, improve supplier collaboration, and optimize project benchmarks and estimates. Sharma says, "Our dream team of experts from Dell Technologies, NVIDIA, and WWT partnered with the Worley CTO, GenAI, engineers, and security and data analytics teams, taking half the normal time to build an incredible machine that is now starting to support workloads."

## GenAI and agentic AI solutions transform the work environment

Worley developed several AI solutions that are nearing companywide rollout. "We have developed some really fantastic products using the Dell AI Factory with NVIDIA," Husband describes. "One example is a GenAI-powered enterprise search solution that will democratize data from our knowledge and management system for all employees." Other GenAI solutions will optimize construction pathways for engineering projects and allow engineers to respond to RFIs faster with more sustainable designs. AI-fueled solutions for content creation and digital twins are also undergoing rapid development.

At the edge of AI innovation, agentic AI can greatly lighten the workloads of human operators by autonomously handling complex tasks. Husband explains, "We see agentic AI as a critical technology. It's one of the reasons that we have wanted to partner with Dell Technologies and NVIDIA, because the technology in this space is changing so rapidly. Things that were not possible six months ago are entirely within reach now."

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**Anup Sharma,**  
Group President, Worley Digital



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**Summer Husband,**  
Senior Vice President of Data Products  
and Applied Intelligence, Worley



## AI innovation by design with Dell Technologies and NVIDIA

Using Dell AI Factory with NVIDIA, Worley created its own AI factory. The Worley AI factory runs on premises for outstanding performance and alignment with proper guardrails and security for the company's data and GenAI products.

"A secure-by-design solution and platform was foundational for us," Sharma comments. "To accomplish this, you have to go with the best. We partnered with Dell Technologies and NVIDIA, who offer tremendous technology."

## Harnessing the promise of AI through expert collaboration

Worley partners with Dell Professional Services to support its ongoing AI innovation and management. Dell Professional Services helped evolve Worley's AI strategy by addressing cost concerns, scalability issues and technical expertise gaps. As a trusted consulting partner, the Dell Professional Services team provides workshops, knowledge transfers and managed services to enable continuous optimization and operational efficiency. Says Sharma, "Dell Professional Services is one of the most admired consulting firms in the industry. Across the value chain, they know how to help us and our customers overcome enduring operational boundaries and constraints."



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**Summer Husband,**  
Senior Vice President of Data Products  
and Applied Intelligence, Worley

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