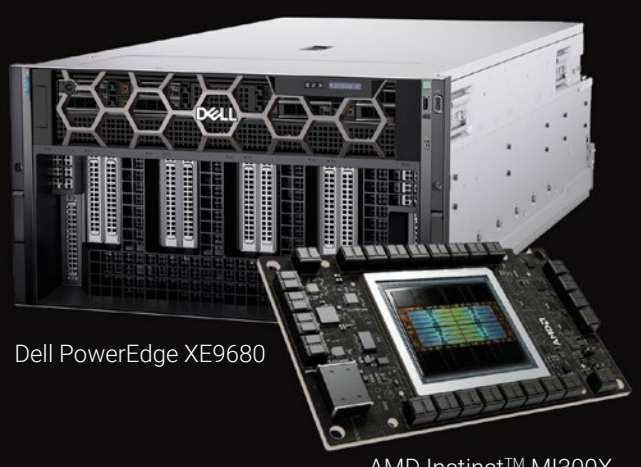
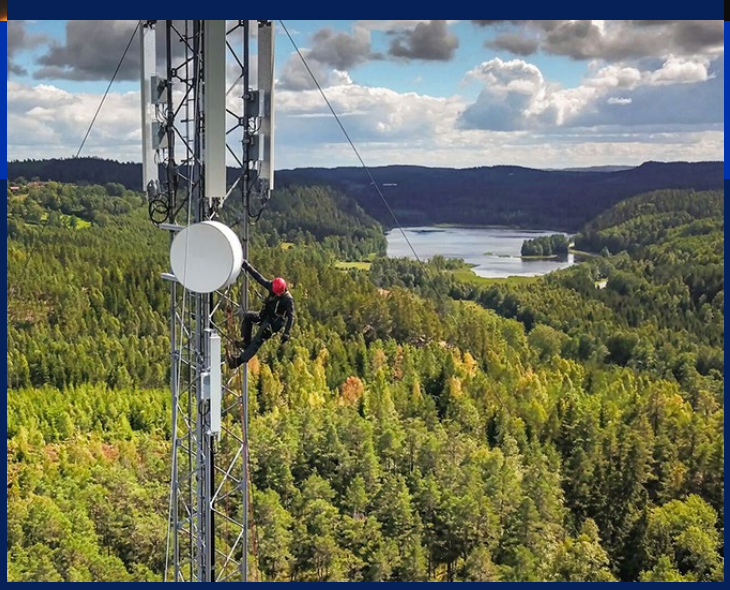
Driving business value from GenAI

Overcome complexity, risk, and expense to increase ROI and deliver on AI expectations





Case Study Profile

Telecommunications

Industry challenge

Like organizations across many industries, cellular networks face enormous challenges due to explosive growth from human and machine data, requiring robust and resilient infrastructure to maintain quality of service (QoS) and security.

Solution Architecture

Agentic AI improves telecommunications service quality and security

Real-time monitoring

AI agents enable immediate issue detection and resolution, reducing network downtime

Informed decision-making

Detailed reports and dashboards enable better network management

Scalability

Efficiently processing large volumes of data enhances service reliability

Dell AI Factory results

Dell Technologies and AMD help organizations achieve:

Up to **75%** **Reduced costs**[1] Compared to public cloud while maintaining high-quality performance and data privacy

Up to **86%** **Faster adoption**[2] Reduce implementation time by up to 86%

Scalable configurations

Meet workload demands as your business evolves

Simplified open source

Deploy open-source tools without code changes

High bandwidth memory

Efficiently run models on GPUs

Dell Technologies offers complete generative AI services—strategy, implementation, scaling, and management—empowering businesses with expert solutions for AI success

Turn GenAI POC into ROI with **Dell Technologies** and **AMD**

Dive deeper into this case study

[1] Based on Enterprise Strategy Group research commissioned by Dell, comparing on-premises Dell infrastructure versus native public cloud infrastructure as a service, April 2024. Analyzed models show a 7B parameter LLM leveraging RAG for an organization of 5k users being up to 38% more cost effective while a 70B parameter LLM leveraging RAG for an organization of 50k users being up to 75% more cost effective. Actual results may vary. Economic Summary

[2] Estimate based on Dell analysis in May 2024 comparing time to setup a 2-node Kubernetes cluster for a general-purpose LLM using automated scripts vs deploying a common design manually. Setup time includes base installation only. Actual setup time will vary depending on solution configuration.