Solution Brief

Accelerating Enterprise AI with NVIDIA & Data Sciences Corporation

South Africa's Only NVIDIA DGX Preferred + Networking Elite Partner

datasciences corporation

AI That Performs, Infrastructure That Delivers

Artificial Intelligence (AI) is transforming industries—but only when backed by the right infrastructure. Enterprises aiming to harness the power of AI and Machine Learning (ML) need more than just GPUs—they need end-to-end integration, full-stack support, and predictable scalability.

Data Sciences Corporation is South Africa's leading NVIDIA AI infrastructure partner. As the only DGX Preferred and Networking Elite Partner in South Africa, we design, build, and support high-performance GPU platforms to power generative AI, fraud detection, intelligent automation, advanced analytics, and more.

With proven deployments of DGX SuperPOD, HGX clusters, and a fully NVIDIA-certified engineering team, we are the trusted partner for enterprise AI.

What We Deliver – NVIDIA Stack Built for AI

Data Sciences Corporation's NVIDIA-powered solutions include:

Solution Type	Real Deployment Example
DGX SuperPOD Clusters	Delivered SA's first DGX A100 SuperPod scaling unit (10 PFLOPS)
HGX A100 AI/ML Clusters	40-node turnkey AI platforms with Ethernet, InfiniBand, and storage
DGX H100 AI Clusters	Architecting 4-node DGX H100 cluster (140 PFLOPS, 400Gb Infiniband)
GPUaaS via OXIDE Cloud	Intelligent surveillance powered by NVIDIA GPUaaS
NVIDIA AI Enterprise Software	RAPIDS, Triton, TensorRT, MLOps integration at scale

Why Data Sciences?

Proven Expertise Across Africa

With decades of experience and a footprint that spans the continent, we bring deep technical knowledge and real-world understanding to every client engagement.

Enterprise-Grade Partnerships

Our strategic alliances with industry giants like Pure Storage, VAST Data, NEC, and NVIDIA enable us to deliver next-gen technologies with unmatched reliability.

Certified Skills, Agile Teams

Our engineers are certified across key technologies and operate in nimble, client-focused teams to ensure rapid delivery and continuous support.
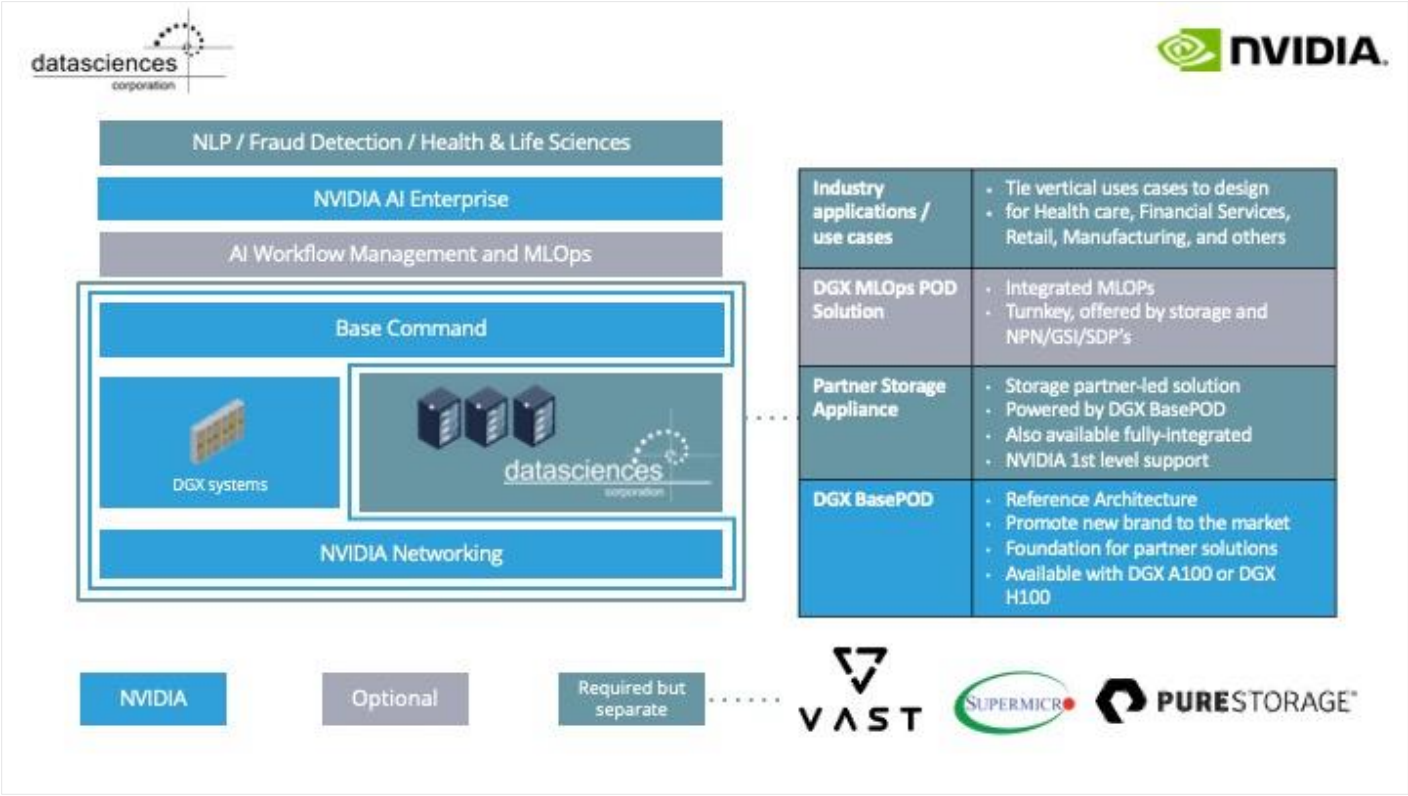
Local Presence, Global Standards

Headquartered in Bryanston, Johannesburg, we offer the responsiveness of a local partner with the service excellence of a global IT powerhouse.

Platform Architecture – Built on DGX BasePOD

We build solutions on NVIDIA's DGX BasePOD reference architecture, integrating:

Optional Add-ons:
o NLP, fraud detection, computer vision use cases
o Hosted, on-prem, or hybrid infrastructure
o OPEX or CAPEX financing options

Every solution is supported 24/7 by ZAR-based SLAs and our South African engineering team.

Use Cases We Enable

Finance

Fraud detection, risk scoring, algorithmic trading.

Healthcare

Medical imaging, diagnostics, genomics, AI chatbots.

Retail

Predictive inventory, recommendation engines, visual analytics.

Mining & Industry

Predictive maintenance, autonomous monitoring, sensor analytics.

Academia & Research

HPC compute clusters, model training, AI experimentation.

Benchmark Performance with DGX GPUs

AI Task	CPU Time	DGX A100/H100 Time	Speed-Up
ResNet50 ImageNet Training	8 hours	24 minutes	20x
BERT-Large NLP Model	45 hours	2.2 hours	~20x
XGBoost (1M rows)	70 seconds	4 seconds	17x

Representative benchmarks based on NVIDIA DGX reference architecture.

Why Data Sciences +NVIDIA

7 Reasons Enterprises Choose Us

1. Only SA DGX Preferred & Networking Elite Partner
2. Proven DGX & HGX Deployments
3. GPUaaS with OXIDE for scalable delivery
4. Expertise across NVIDIA AI Enterprise Stack
5. On-premise or cloud, OPEX or CAPEX
6. Full lifecycle support – ZAR-based
7. 60% of team = Engineering / Certified AI Pros

Ready to Launch?

Don't let fragmented infrastructure or unscalable hardware delay your AI journey. With Data Sciences and NVIDIA, you get a field-proven, fully integrated, and future-ready solution to power any AI ambition.

About Data Sciences

Data Sciences Corporation is a Bryanston-based IT solutions provider delivering next-gen infrastructure, intelligent platforms, and data-driven innovation across Africa.

Simplify your infrastructure and unlock the full value of your data with **Data Sciences Corporation**—Africa's trusted partner for next-gen IT solutions.

Contact Us at: info@datasciences.co.za

Scan Here to Learn more about NVIDIA solutions on our website.