

# Top 5 reasons to choose Dell Technologies and Kalray for your AI and HPC workloads

Dell Technologies and Kalray team up to deliver a global data solution to simplify complex workflows with optimized performance and cost efficiency for your high-performance compute requirements. The solution delivers enterprise capabilities and data portability to power complex workloads wherever your data lives - on-premises, edge, cloud, and cloud-adjacent environments.

This integrated solution is designed for compute-intensive tasks like weather simulation, molecular modeling, and I/O intensive GenAI model training. It offers a single view of all global data and optimizes performance and cost, while offering enterprise storage features for compatibility with multi-site and cloud environments. Dell Technologies, a trusted provider of global IT solutions, and Kalray build blazing fast storage solutions that scale and deliver access to all of your data where you need it, when you need it, without compromise.

## Accelerate your workloads for faster time to results

Intensive workloads require flexible and dynamic data storage that meets the most demanding performance requirements. Kalray's Ngenea offers an efficient high-performance storage solution capable of managing petabytes of data and billions of files, to effortlessly meet the needs of rigorous HPC, AI/ML workloads. It seamlessly unifies with Dell PowerScale - the world's most flexible, secure and efficient scale-out NAS - and ECS Enterprise Unstructured Storage to provide a cost-optimized enterprise storage solution capable of keeping hungry compute cores fed. Ngenea's proven high-performance parallel file system delivers lightning fast performance, cost-efficiency, and seamless data integration across all tiers.

## Simplify with a unified view of data via global namespace

Data often spans diverse global storage solutions in

complex environments, and access is needed seamlessly across varied platforms. Ngenea simplifies these complex hybrid environments by offering a unified view of all unstructured data. It supports vast data capacities and manages billions of files across a single global namespace including on-premises, multi-cloud, and hybrid environments to ensure data is always available wherever and whenever it is needed - no compromises.

## Cost effectively feed modern applications

In the era of data-driven applications like GenAI, many HPC environments have huge data requirements but a relatively small working set size. Ngenea's powerful data orchestration automatically optimizes storage investments by limiting the amount of higher cost storage needed, without additional management overhead. Ngenea combines all storage tiers within a single namespace with its own high-performance storage to deliver the highest performance when you need it, no matter where your data resides.

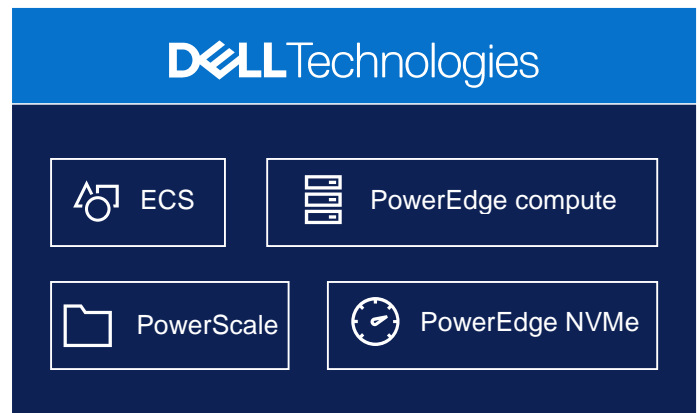


## Built for the modern data intensive applications of today

Enterprise customers rely on Dell Technologies to deliver scalable, flexible, secure, and automated compute and storage solutions for their high-performance workloads. Ngenea is designed to meet the most data intensive workloads on the planet. Kalray and Dell Technologies innovate to empower customers across various industries, such as life sciences, financial services, research, or oil and gas. Together, the solution provides capabilities to accelerate workflows ensuring uncompromising performance for HPC workloads. This collaboration is equally beneficial for customers exploring large-scale AI/ML workloads.

## Peace of mind, with validated designs from Dell and Kalray

Backed by expert support teams, and with tested and proven designs, this trusted partnership seamlessly integrates Ngenea with new or existing PowerScale and ECS deployments, eliminating the guesswork of delivering enterprise class high performance computing solutions. Enjoy a hassle-free journey from install to scaling and beyond with Dell's support.



## About Kalray

Kalray is a technology innovator specializing in software and hardware solutions to accelerate data-intensive workflows in Media & Entertainment, High-Performance Computing, and Artificial Intelligence. Our comprehensive product range features Ngenea, a leading data acceleration platform, as well as accelerated data processing cards for storage and compute. With Kalray solutions, customers can scale their infrastructures to efficiently meet the performance and capacity needs of data-centric applications, all without being tied to specific data formats or vendors. [Click here for more.](#)

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