

# Hitachi iQ

*Hitachi iQ is a tailored AI solutions suite designed for industrials and businesses committed to AI emergence. Empower your organization to automate processes, accelerate time-to-insights, and unlock innovation.*

Unlike conventional AI offerings, Hitachi iQ transcends basic integration and storage capabilities by layering industry-specific AI outcomes within the AI solution. Hitachi iQ provides unified access to data wherever it resides while ensuring explainability, lineage, data accuracy, security, and traceability.

- 1. Simplified Deployment.**  
NVIDIA DGX BasePOD™ certified reference architecture for ease of deployment, operation, and maintenance through a single vendor approach.
- 2. Accelerated Architecture.**  
Accelerate performance to fully saturate GPUs and get the most value out of your processor spend. Hitachi iQ can increase AI research productivity with up to 20X improvement in AI training times.
- 3. Independent Scale.**  
Increase compute power or expand storage capacity independently with the flexibility to adapt to diverse and fluctuating data sizes, data types, and workloads.
- 4. Continuous Productivity.**  
High reliability and availability with minimal downtime to ensure unfailing access and consistent high performance data flows to keep GPUs operating at peak efficiency.
- 5. Economics and Sustainability.**  
Achieve more than 65% storage cost savings. Use EverFlex to access a variety of consumption models. Drive sustainability through higher performance systems, zero-copy architecture, and leveraging shared storage instead of traditional High-Performance Computing clusters.
- 6. Hybrid Cloud Ready.**  
Manage the hybrid cloud environment seamlessly with a single data management plane optimizing cost containment while increasing performance.
- 7. Enhanced Data Quality.**  
Identify, classify, transform, move, consolidate and prepare data to get the most value out of AI/ML initiatives. Provide unified and virtualized access to data irrespective of where it resides while ensuring explainability, lineage, data accuracy, security, traceability at any given point for enterprise mission critical solutions.
- 8. Speed Time to Value.**  
Quickly build & deploy robust data pipelines to optimize the ingestion, integration and quality of data, assembling & tiering to the right location for cost, regulatory, and performance requirements.
- 9. Hit the Ground Running.**  
AI Discovery Service for Hitachi iQ helps with opportunity analysis, use case selection, and planning to determine the right AI pipelines and workloads to drive business growth with fast time-to-value.  
  
It provides a prioritized AI use cases roadmap, and AI concept documentation with POC plan.
- 10. Decades of Industry and Data Expertise.**  
With over 100 years of domain expertise in industries such as rail, energy, manufacturing, transportation, and more, Hitachi Ltd. can deliver outcome-led designs based on a pre-built foundation with bespoke customization & delivery.