XENON Capability Statement

HOW XENON CAN SUCCESSFULLY TRANSFORM YOUR ML/DL/AI* JOURNEY

XENON Value-Add

XENON DevCube G2 Pro
- **Up to 4 GPUs:** GTX, RTX, Titan V or Quadro
- Up to 512GB DDR4 RAM

NVIDIA DGX Station
- 4 x Tesla V100 GPU
- 256GB RAM
- 2,560 Tensor Cores
- 20,480 CUDA Cores
- 500 TFLOPS

NVIDIA DGX-1 & 2
- 8 x or 16 x Tesla V100 GPU
- 512GB or 1TB RAM
- 5,120 or 10,240 Tensor Cores
- 40,960 or 81,920 CUDA Cores
- 1 or 2 PFLOPS

NVIDIA DGX POD
- Reference Design
- **Compute:** Multiple DGX-1 servers
- **Storage:** From 10s of TB to 100s of PB
- **Network:** Multiple 100GbE InfiniBand or Ethernet

XENON Customised Solutions
Supercomputer, HPC, GPU compute and Cluster Systems, Software, Hardware, Integration, Design, Training and Professional Services

Beginner   Your AI Journey   Expert

Machine Learning (ML), Deep Learning (DL), Artificial Intelligence (AI)

CAPABILITY OVERVIEW

Professional Services
- **Consulting**
  - **Integration:** Application, Middleware and Hardware
  - **Software Development:** Application and Middleware
  - **Design & Architecture:** Data Centre, Cloud, Virtualisation
- **ML/DL/AI Training Workshops**
  - **Public:** Periodical
  - **Private:** Tailored to client requirements
- Training and Support
- Managed Services
- Customised Solutions
- Staging, Installation and Deployment

Solutions
- Deep Learning / Machine Learning
- Real-time, Streaming, Big Data and Predictive Analytics
- GPU Computing
- **High Performance**
  - Computing
  - Infrastructure
  - Storage
  - Networking
- Software Defined Networks
- Cloud Platforms
- Virtual Desktop Infrastructure
- Visual Workstation Technology

Analytics Software
- Kinetica
- MAPR
- Mineset
- Vertica

Partners
- NVIDIA
- Pure Storage
- Kinetica
- Mellanox
- IBM
- Intel
- Lenovo
- WekaIO
- DDN
- Cumulus
- Microsoft
- NetApp
- Infinidat

XENON
High Performance Computing

OUR MILESTONES

2011
Fox Broadcasting USA
Supplied Video Logging solution

2011
Australian Stock Exchange (ASX)
Supplied Infiniband equipment

2012
Fujitsu
Supplied Infiniband Network for Australia's largest Supercomputer ("Raijin")

2013
Digital Cinema Systems
Upgraded 150 Independent Cinemas in ANZ region

2014
University of Queensland
FlashLite HPC cluster system for high data throughput

2015
Futuris
XENON drive high performance innovation

2015
Thales Defence
Delivered High Fidelity Solution for Australian Army Tiger Helicopter Simulator

2000
Animal Logic
Render Farm delivered for the "Matrix" movie trilogy

2004
TataSky DTH India
Supplied Video Logging solution

2016
Oil Search
Deployed Intel® CAS to speed reservoir modeling

2016
Garvan Institute of Medical Research
NVMe solution that enables high data throughput

2005
Thales Defence
Supplied Image Generators for the ASLAV simulators

2007
Victorian Partnership for Advance Computing
Supplied HPC Cluster for Advance Computing

2017
The Walter and Eliza Hall Institute
Private Cloud For Next Generation Cancer, Disease & Medical Research

1998
Telstra Digital Video Network
Supplied Video Server equipment

2009
CSIRO (10th in Green500 ranking)
Supplied Australia's first GPU Cluster ("Bragg")

2017
NCI
Supercomputer dedicated to scientific research & technology innovation

PARTNER CERTIFICATIONS

XENON is vendor agnostic and holds the following partner certifications:

- NVIDIA® Elite Solution Provider
- Mellanox Elite Partner
- Microsoft® Certified Partner
- Intel® Premier Technology Provider
- Intel® HPC Data Center Specialists and Lustre* Software Reseller
- AIRI by Pure Storage Partner

- Cumulus Network partner
- Lenovo Gold Partner
- IBM Business Partner
- Quantum Platinum Partner
- VMware Academic Specialist and Professional Solution Provider
- Veeam ProPartner

OTHER COMPANIES

XENON Systems Pty Ltd is a member of the XENON Technology Group which includes:
- **Mediaproxy Pty Ltd:** www.mediaproxy.com
- **XDT Pty Ltd:** www.catapultsoft.com

XENON
High Performance Computing