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## DUG expands data-centre capacity with major NVIDIA H200 deployment

16 January 2026



**DUG Technology (DUG) has deployed 82 new NVIDIA H200 machines, integrating some of the most advanced AI and compute-hardware technologies into the company's high performance computing (HPC) ecosystem**

The expansion adds an impressive 41 petaflops to DUG's global supercomputing network and will support both growing client demand and future innovation.

Each machine delivers an order-of-magnitude performance uplift relative to DUG's fastest CPU-only hardware, further reducing the company's turnaround times across both testing and production.

Each machine is configured with:

- **8 × NVIDIA H200 GPUs (141 GB each)**
- **Dual AMD EPYC Turin CPUs**
- **4 TB of system memory and 32 TB of local flash**
- **100 Gbps networking**

"This upgrade significantly increases our total compute power. This translates to even faster delivery of huge datasets and more computationally intensive workloads, from AI-inference applications, to advanced seismic processing and imaging workflows, including our revolutionary DUG Elastic MP-FWI Imaging technology," said **Harry McHugh, DUG's chief information officer**.

All 82 machines are now installed and operational, delivering results for both DUG's services clients and DUG HPC Cloud users.

**DUG** is an ASX-listed technology company that provides innovative processing and storage solutions for real-world applications. It delivers proprietary software (DUG Insight), cloud-based HPC as-a-service (DUG HPC Cloud), immersion-cooling (DUG Cool), and edge-computing solutions (DUG Nomad), backed by bespoke support for technology onboarding.

Decades of experience in algorithm development, optimisation and HPC craft enables DUG to solve complex problems for clients. With offices in Perth, London, Houston, Kuala Lumpur, Abu Dhabi and Rio de Janeiro, DUG designs, owns and operates a network of some of the largest supercomputers on Earth.

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**MSA's Kevin Killeen**

**Breakthroughs in real-time flame and**  
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