

Principles of Liquid Cooling Technology for AI Servers

Here are five key things to know about liquid cooling technology -- and why it's critical for the future of AI infrastructure. 1. Why AI workloads need better cooling systems.

As AI power demands surge into 2026, liquid cooling is becoming the essential technology keeping data centres efficient, stable, and future-ready.

There are six common heat rejection architectures for liquid cooling where we provide guidance on selecting the best one for your AI servers or cluster. AI training and inference servers use ...

Learn about liquid cooling in AI data centers. Our complete guide covers how this essential technology boosts performance and cuts costs.

HPE's cooling expert, Jason Zeiler, explains why liquid cooling is ideally suited to cool next-generation accelerators for greater efficiency, sustainability, and density in future AI data centers

Discover liquid cooling best practices for AI data centers, including design, deployment, maintenance, and sustainability benefits.

Liquid cooling is becoming a viable alternative to traditional fan-based systems. Proposed techniques include circulating water through cold plates, circulating boiling liquid through cold plates, ...

Liquid cooling systems are becoming essential for AI server environments due to their superior efficiency and ability to handle high thermal loads. Compared to traditional air cooling, they ...

This white paper addresses the unique challenges of deploying liquid cooling for AI applications. It categorises liquid cooling systems into two main types: direct-to-chip and immersion, and outlines six ...

As AI demand scales, many cloud providers seek more energy-efficient accelerated computing platforms and liquid cooling systems to improve energy efficiency, increase rack power ...

Liquid-cooled servers will need to work alongside air-cooled IT equipment, leading to a hybrid environment. Direct-to-chip and immersion cooling provide great opportunities for increased heat ...

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