

# Sudan Computer Room Cold Aisle Immersion Liquid Cooling

The two main categories for liquid cooling are immersion cooling and direct-to-chip liquid cooling (DLC). In its simplest form, immersion cooling involves submerging the server, and all its ...

Whether you're building from the ground up or optimizing an existing setup, choosing the right cooling method--air, liquid, or immersion--can significantly impact your data center's ...

Traditional Air Cooling: Hot-Aisle/Cold-Aisle Containment Conventional raised-floor data centers use computer room air conditioning (CRAC) or computer room air handler (CRAH) units to ...

Discover how colocation sites are adapting to liquid and immersion cooling in 2025. Learn why these technologies are essential for AI, HPC, and high-density workloads.

Several methods are discussed like regular air conditioning, free cooling, and liquid cooling. An assessment of overhead and underfloor air delivery technologies is presented. The ...

DEC uses the direct evaporation of water to produce significant cooling and humidification with low energy consumption. A water-saturated medium is used to allow a large volume of air to contact ...

In this paper, we will take a deep look at direct liquid cooling, the ecosystem that enables it, and how the thermal resistance of the cooling solution impacts the fluid temperature required at the facility.

As rack densities increase, liquid cooling for AI data centers, including direct-to-chip liquid cooling and immersion cooling, is becoming essential. CFD-based analysis helps optimize both air ...

Reliable, integrated cooling - from chiller and economizer plants to computer room air conditioners - tackles the issues head on to lower costs and reduce downtime risk.

In this article, we explain the four primary data center cooling methods used in modern facilities, how they work, and why the industry is increasingly moving from traditional air cooling ...

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