

Edge Data Center Cold Aisle Low-Loss Vendors



Article Overview

Altimir and Upsite are leading vendors offering high-performance cold aisle containment solutions for edge data centers, designed to optimize airflow and minimize energy loss.

Key Vendors and Solutions

Altimir Data Center Solutions specializes in custom-engineered hot and cold aisle containment systems that improve airflow efficiency, reduce operational costs, and support high-density server deployments . Their solutions are scalable and adaptable, suitable for both raised floor and hard floor overhead applications. Altimir's cold aisle containment (CAC) systems create uniform airflow, ensuring predictable cooling performance while reducing energy consumption and carbon footprint . Upsite Technologies offers the AisleLok® modular containment system, which includes swing doors, drop-away ceilings, chimneys, and filler panels for cold aisle applications . These components are designed for quick installation with minimal disruption, using high-quality, flame-rated materials. The system allows for precise airflow management, closing gaps between racks, and optimizing cooling efficiency in partially populated aisles .

Features to Consider

- **Airflow Optimization:** Both vendors provide solutions that prevent hot and cold air mixing, maintaining low-loss airflow and consistent temperature across racks

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FOCUSED COOLING USING COLD AISLE CONTAINMENT

While either hot aisle or cold aisle containment systems can be installed and are both capable of increasing efficiency and cooling

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How data center aisle containment can be applied to meet the key objectives in effective data center design.

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Hot / Cold Aisle Containment

Sliding Doors offer data centers aisle-end containment in just minutes and without the need for contract labor. The one-tool design

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What are hot and cold aisles in the data center?

In its simplest form, hot/cold aisle data center design involves lining up server racks in alternating rows, with cold air

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Hot and Cold Aisle Containment Solution | Legrand

Hot aisle containment is used to capture and direct hot exhaust air back to the cooling units. This popular

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Edge Data Center Solutions

Edge deployment challenges Adding compute capacity at the Edge can be a long and complicated process for IT and Facility leaders.

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Aisle containment system buying guide

Choosing a hot aisle cold aisle containment system for your data center An aisle containment system is a

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Data Center Efficiency | Cold Aisle Containment Manufacturers

Enhance your data center's cooling efficiency with MRS, leaders in Cold Aisle Containment Manufacturers. Our customized, high

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Ultra-efficient data centers in Barcelona, Madrid-Getafe, Bilbao-Arasur and Lisbon offer low latency carrier class fibre, zero water

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Explore how liquid cooling for edge data centers supports AI workloads, reduces risk, and enables scalable high

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Data center containment

The freestanding construction with wall panels, roof panels and sliding doors, offers corporate and commercial data centers a cost

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Edge Aisle Data Centers

The Edge Aisle Data Center is designed to integrate with ServerSmart cabinet. The solid cabinet frame features universal mounting

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Hot vs Cold Aisle Containment: 40% Cooling Savings

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The edge data center companies worth knowing in 2026, what each one does best, and where they operate. A fast

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Optimizing Data Center Cooling for Energy Efficiency

Disadvantages of Cold Aisle Containment Hotter Overall Room Temperature: The data

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Hot & Cold Aisle Containment Solutions

Hot and cold aisle containment solutions are used to maximize efficiencies by cooling and removing the

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Cold Aisle Containment System Solutions | Data Center ...

Optimize energy efficiency and reduce cooling costs with Netlab India's Cold Aisle Containment System Solutions. Discover

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Cold Aisle Containment

Cold Aisle Containment or CAC is a proven, relatively easy to deploy solution for effectively managing

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FS Community

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Revolutionary IT Cooling

Cool the rack, not the room. Hot and cold aisles keep air from mixing to ensure you get optimal cooling

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Data Center Aisle Containment Systems | Profile IT Solutions

Specify complete aisle containment systems for data centers, edge facilities and high-density compute rooms. Compare

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Explore 30 hot aisle, cold aisle, structural, door, roof, flexible containment and airflow-control products for data centers. Engineering

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Top 10 Edge Data Center Companies in the World

Evolving Edge Data Center Landscape and Future Prospects The edge data center market is rapidly evolving, driven

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Hot & Cold Aisle Containment Systems For Data

Cool Shield™ containment offers state-of-the-art hot and cold aisle containment solutions designed to

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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