High-density data center cold aisle energy-saving models available now

This whitepaper explores the key drivers of cooling inefficiency, shares actionable strategies grounded in data and engineering best practices, and highlights how emerging ...

This guide provides an overview of best practices for energy-efficient data center design which spans the categories of information technology (IT) systems and their environmental conditions, data center ...

In this study, the modular data center is taken as the research object for the purpose of figuring out a way to improve the thermal environment of the computer room, reduce power ...

Discover how hot and cold aisle containment systems, enhanced with polycarbonate multiwall panels provided by thyssenkrupp Engineered Plastics, help data centers cut energy costs, ...

With so many variables affecting airflow within a data center, it can be daunting to know where to start and how to get the most of airflow management improvements

The models estimate year-round energy and water savings in DCs using air-side and water-side economizers (ASE and WSE). This study fills a critical gap in the literature by providing a ...

The findings reveal that the implementation of cold aisle containment (CAC) or hot aisle containment (HAC) significantly improves air supply efficiency (ASE) and reduces the supply heat ...

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With rising IT loads and increasing demand for sustainability, containment strategies such as Hot Aisle Containment (HAC) and Cold Aisle Containment (CAC) have become pivotal in thermal...

Containment strategies directly impact the power consumption of data center facilities, as--along with other methods and techniques--the operational and cost savings can be reallocated ...

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