



Expansion of the cold pool aisle in the computer room

Hot and cold aisle containment is a proven strategy to optimize airflow, reduce energy costs, and improve cooling efficiency. At Profile IT Solutions, we specialize in designing and implementing ...

Cold aisle containment is a critical design approach in modern data centers aimed at enhancing cooling efficiency. It involves physically enclosing the cold aisle with panels and doors to...

One of the most common complaints of data center owners and operators is needing extra cooling capacity because an existing system won't maintain an acceptable temperature. The truth is, this ...

By introducing cold aisle architecture where the hot and cold air are separated, the supply air temperature can be increased to 17°C and the return air temperature to 27°C.

In this article we will discuss the direct expansion, cold aisle system used by Onix in Accra. The facility in Accra, a city with an average daily temperature of 30°C (86°F), currently houses ...

Follow Camali Corp's 6-step guide to design a server room layout that cuts cooling costs, boosts uptime, and optimizes airflow with hot/cold aisle design.

Our modular systems provide flexible, secure separation between hot and cold aisles or controlled zones to maintain optimal environmental performance.

Proper aisle planning isn't just about airflow--it's about optimizing safety, serviceability, and system efficiency. By adhering to these length and width standards, data center designers can enhance ...

In this guide, we'll break down how hot aisle and cold aisle configurations work, what containment systems do, and why airflow management is critical in today's high-density data centers.

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Cold aisle containment (CAC) works like this: instead of chasing heat, you trap cold air right where it's needed -- at the front of the racks. You build barriers around the aisle, then feed it ...



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