

NEMA4X Intelligent Cold Aisle for Smart Buildings



Overview

A highly adaptable, field-fabricated hot or cold aisle containment solution that installs over cabinets of varying sizes and works around architectural obstacles—ideal for retrofit deployments. Ready to take the next step?

What is Cold Aisle Containment and how does it help energy efficiency?

Cold Aisle Containment isolates the cooled supply air from the cooling units within direct proximity of the air intake of critical equipment. An enormous amount of energy is used every day to maintain an acceptable intake. The SmartAisle™ System is a complete data center pre-Engineered by Vertiv for lightning-fast deployments. Each system includes fully redundant power and cooling, UPS battery backup, power distribution, complete airflow containment, and cable management. Easily add, remove, or omit cabinets as needed. Which option should you choose?

Cooling hot and cold airflows.



Article Content

Vertiv™ SmartAisle™ 2

Features Fully-contained hot and cold aisle reduces cooling energy consumption by 20%. Redundancy options for Power and Cooling. Fully enclosed system design

SMARTAISLE™ Intelligent, Integrated Infrastructure for the Data Cent

Cold Aisle Containment – inexpensively supports capacity increases by separating hot and cold air for increased efficiency Flexible platform for easy configuration – Full-depth DCFTM racks maximize

Cold Aisle Containment

Cold Aisle Containment or CAC is a proven, relatively easy to deploy solution for effectively managing airflow within a data centre. A CAC system surrounds the

SmartAisle | Integrated Infrastructure

The SmartAisle offering optimizes infrastructure deployment and management with an intelligent row-based system that integrates data center racks, power, row cooling, aisle containment, monitoring

Vertiv™ SmartAisle™ Contain

All active components have interfaces to a top-level infrastructure management system (Vertiv Trellis™) which facilitates integrated monitoring, management and automation of the physical

Smart Aisle | Vertiv IT Infrastructure

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Aisle Containment | Modular Cleanroom & Data Center Containment ...

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

Smartaisle Containment Brochure English | PDF | Data Center | Door

Vertiv™ SmartAisle™ – A form of containment proven to lead to substantial savings in energy costs. increased environmental awareness, availability. The failure of a device. center as energy efficiently

SMART SOLUTIONS REFERENCE SUMMARY

This Reference Summary provides you with one example of how Smart Solutions can help achieve efficiency and availability for small to medium data centers. This design optimizes capacity – to

Vertiv SmartAisle Containment

Vertiv™ SmartAisle™ – A form of containment proven to lead to substantial savings in energy costs Achieved energy savings through patented, controlled cold aisle containment in many projects

SmartAisle

SmartAisle is Ideally Suited For: Hot aisle/cold aisle applications Raised floor data centers with perimeter cooling Non-raised floor data centers using row-based precision cooling systems such as

SmartAisle S

SmartAisle configurations can be scaled to fit any size IT environment from a row of racks to large enterprise data centers. The SmartAisle offering brings together the widest range of innovative

Cold Aisle Containment | Legrand

This solution captures many requirements typically placed on the building shell and places it closer to the equipment. This includes busway, conveyance, docking, and other ancillary items.

Cold Aisle Containment in Data Centers | Subzero

With cooling provided through a raised floor, this cold aisle containment project uses rigid wall panels in conjunction with the Polar Cap 2 roof system to provide

SmartAisle S

With this solution, Emerson Network Power has demonstrated CAPEX savings of 10 percent AND OPEX savings of 27%, as well as: Simplified, rapid deployment that means that installation doesn't hinder

Vertiv SmartAisle Containment

For cold aisle containment for aisle widths: 1200 / 1800 mm (+/- 50 mm) Quick and easy mounting Suitable for Vertiv™ VR, Vertiv™ Knürr™ MIR and Vertiv™ Knürr DCMTM racks and most racks

COMBINING COLD AISLE CONTAINMENT WITH INTELLIGENT

A comprehensive efficiency management platform that combines cold aisle containment with intelligent environmental controls can deliver greater than 30 percent energy savings and 25 percent capacity

BTS NEMA Containment Solution for Data Center

A highly adaptable, field-fabricated hot or cold aisle containment solution that installs over cabinets of varying sizes and works around architectural obstacles—ideal

SMARTAISLE – Aristides S. Air Control Services Ltd

SmartAisle™ provides always uniform and predictable temperature to all IT equipment controlling directly cold aisle temperature and humidity. Optimized cooling system efficiency is achieved by

ASHRAE TC9.9

This document provides guidelines for power equipment used in data centers. It discusses how rising temperatures in data centers can affect power equipment, which typically has a longer lifespan than

Vertiv™ SmartAisle™ 2

Intelligent proximity lighting with color-changing capabilities to indicate system operating status. The SmartAisle™ System is a complete data center pre

Contact Us

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