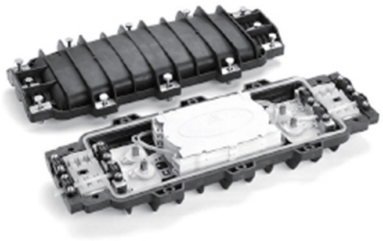
Intelligent Hot Aisle Data Center for Latvian Island



Overview

In a move set to reshape Northern Europe's digital landscape, data center operator Delska today officially launched EU North Riga LV DC1, a highly advanced 10 MW facility engineered specifically for the intense demands of artificial intelligence (AI) and high-performance computing. In a move set to reshape Northern Europe's digital landscape, data center operator Delska today officially launched EU North Riga LV DC1, a highly advanced 10 MW facility engineered specifically for the intense demands of artificial intelligence (AI) and high-performance computing. 10 MW capacity: The new Delska data center in Riga is designed to support up to 10 MW, with the ability to scale to 30 MW. 250 kW per rack: The facility supports up to 250 kilowatts per rack, catering to high-density AI workloads. Once. Delska's new 10MW Tier III–certified data center in Latvia will run fully on renewable energy, enabling sustainable, AI-ready digital infrastructure. By isolating hot exhaust air emitted from server racks, HAC ensures that this hot air returns directly to the computer room air conditioning (CRAC) by funnelling it. Aisle containment prevents hot exhaust air and cold supply air from mixing, improving the efficiency and consistency of data centre cooling. Cold aisle containment encloses the cold air supply path; hot aisle containment captures and redirects exhaust air before it can re-circulate. Data center containment directs airflow through thermal zones and rack layouts, keeping temperatures stable as density and.

Article Content

The Basics of Hot Aisle, Cold Aisle Data Center Configurations

Though hot aisle, cold aisle configurations have a number of variations, at their most simplest it consists of server racks in rows with cold air intakes facing one way and hot air exhausts

Latvia''s AI Data Centre Plans: What SMEs Need to Know

Latvia''s AI Data Centre Ambitions: A Pragmatic Look Plans are underway to establish a large-scale artificial intelligence (AI) data centre infrastructure in Latvia, as reported by Labs of

What is Hot Aisle Containment: A Comprehensive Guide

To maintain optimal operating temperatures, data centers use air conditioning units (CRACs) to cool the air. The cooled air is then supplied to the

Latvia Data Centers

Do you need to procure colocation, cloud, connectivity or other data center services in Latvia or other locations? We can help you navigate the market, through our many years of experience and deep

Hot Aisle Containment in Data Centers | Subzero

Based on a non-raised floor environment, this hot aisle containment project uses dual hinged doors and the Polar Cap 2 retractable roof system.

Latvia''s New AI Super-Hub: Delska Launches Sustainable Data Center

Delska''s new 10 MW AI-ready data center in Riga positions the Baltics as a key European tech hub, offering sustainable power to meet a growing capacity ...

Data Center Containment & Cooling Methods | Subzero

Hot aisle and cold aisle containment is a primary way leading businesses today help reduce the use of energy and optimize their equipment''s performance within their

Cut Cooling Costs with Hot & Cold Aisle Containment | STULZ

Discover how hot and cold aisle containment improves cooling efficiency, cuts energy costs, and supports uptime in modern data centres.

Explore hot and cold aisle containment for your data center

Hot and cold aisle containment can help you maintain the best air flow, temperature and humidity in the data center to keep servers running efficiently.

Data Center Design: Hot Aisle & Cold Aisle – Length

Efficient airflow management in data centers relies heavily on proper Hot Aisle and Cold Aisle configurations. To maintain thermal performance, equipment

What To Know About Hot-Aisle, Cold-Aisle, And Chimney Data Center ...

Containment systems are used in modern data centers to isolate the hot discharge air from the cooler supply air, managing cooling by separating the airflow. This separation of hot and

Delska''s 10MW Latvian Data Center Earns Tier III

Designed for a targeted power usage effectiveness of 1.3, it incorporates free cooling technologies, hot-aisle containment, advanced wall

Data Center Hot/Cold Aisle Containment Systems | Eaton

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack configurations. Essentially creating a room within the aisle,

Combining Cold Aisle Containment with Intelligent Control to Optimize ...

Conventional Cooling Eficiency Deficits The conventional cooling method circulates cold air from computer room air conditioning (CRAC) units via a plenum under a raised floor. The CRAC units are

How to Choose Between Hot-Aisle & Cold-Aisle Containment in a Data Center

Historically data center server racks were arranged to reduce the mixing of hot exhaust air with chilled air from cooling units. Aisle containment systems fully isolate either the hot or cold

Hot Aisle Containment: Enhancing Data Centre Efficiency

With each data centre requiring varying setups, Tate''s hot aisle containment systems are designed bespoke, specific to fit your needs. We''ve developed a technical

Cold & Hot Aisle Containment For Data Center Efficiency

Learn how cold and hot aisle containment improves airflow, reduces energy use, and boosts reliability in data centers. Backed by CFD insights from

Hot and Cold Aisle Rack Optimization/Data Center

Hot and cold aisle racks are the configurations used in data centers to optimize airflow and temperature control. The hot aisle contains equipment that expels hot

Latvia Data Centers

Data Centers in Latvia - List of Colocation and Cloud data facilities in Latvia. Get Quotes and find Specs, Photos, Videos etc.

Hot vs Cold Aisle Containment: 40% Cooling Savings

Blog / Data Center Infrastructure Hot Meets Cold: The Epic Showdown Cooling Your Data Center Dive into the epic thermal showdown

Hot aisle containment – keeping data centres cool

Hot aisle containment offers a cost-effective, energy-efficient solution, as Gordon Johnson, Senior CFD Engineer at Subzero Engineering, explains Data

Data center containment strategies for high-density

Learn how data center containment systems support high-density performance with reliable and efficient cooling.

Move to a Hot Aisle/Cold Aisle Layout

A Time-tested Technique The hot aisle /cold aisle data center layout was originated by IBM in 1992 and it is one of the oldest ways to save energy in the data center.

Hot Aisle Containment: Enhancing Data Centre Efficiency

Discover how Hot Aisle Containment solutions from Tate Europe improve energy efficiency, cooling, and overall performance in data centres. Learn the benefits

Smart Information Delivery

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Data Center Hot Aisle Containment

Hot aisle containment is critical for maintaining cooling efficiency and preventing equipment overheating in a data center. Also known as HAC, hot aisle

Hot Aisle Containment vs. Cold Aisle Containment:

Containment has gone mainstream in the past few years in the data center industry, which has led to widespread implementation and adoption by

Delska''s New 10MW Data Center in Latvia Achieves

Targeting a PUE of just 1.3, it will use advanced free-cooling systems, hot-aisle containment, an effective Weiss Technik wall cooling system and Trane

Containment Strategies in High Density Data Centers

Last week we continued our article series on the challenges of keeping IT equipment cool in high density environments. This week, we outline some

Contact Us

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

Website: https://fivesunsecoenergy.fr
Email: sales@fivesunsecoenergy.fr
Phone: +33 6 41 83 57 29
Address: 5 Rue de la Bourse, 75002 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.