

# Estonian Data Center Cold Aisle Outdoor Type

## Article Overview

Cold aisle containment (CAC) in outdoor-type data centers optimizes cooling efficiency by isolating cold supply air from hot exhaust, even in semi-outdoor or modular environments.

### Cold Aisle Containment Overview

Cold aisle containment (CAC) is a critical airflow management strategy in modern data centers, designed to separate cold air supplied to server intakes from hot air exhausted by equipment ( ). In a typical setup, server racks are arranged back-to-back, forming alternating hot and cold aisles. The cold aisle is enclosed using physical barriers such as ceiling panels, doors at aisle ends, and gap in-fill panels, ensuring that cold air flows directly to the front of the servers without mixing with hot air ( ).

### Outdoor-Type Adaptations

For outdoor or semi-outdoor data centers, such as those in Estonia, CAC principles are adapted to handle environmental exposure:

- Enclosures and modular pods: Outdoor data centers often use prefabricated modules or containers with integrated cold aisle containment to maintain controlled airflow despite external weather conditions.
- Weatherproofing: Roofs, insulated panels, and sealed doors prevent cold air from escaping and protect equipment from rain, snow, and wind....

## Article Content

Dec 15, 2025

Understanding types of containment | Legrand Data Center Solutions

Understanding types of containment Data center terminology can sometimes be challenging to understand, especially when

May 17, 2026

Greenergy Data Centers | Secure Data Solutions

Greenergy Data Centers offers energy-efficient, secure colocation and customized data hosting services in Tallinn, supporting

Jul 31, 2025

Estonia has the most advanced data center in the region

Putting together bits and atoms, Estonia now hosts the largest and most energy-efficient data center in the

Sep 21, 2025

A DEEP DIVE INTO THE WORLD OF HOT & COLD AISLE

aisle containment is a crucial strategy in data center management. It involves the use of physical barriers or

Mar 06, 2026

Impact of Hot and Cold Aisle Containment on Data Center

The choice of hot-aisle containment over cold-aisle containment can save 43% in annual cooling system energy cost, corresponding

Aug 24, 2025

Top Data Center Cooling Companies in Estonia

When exploring the Data Center Cooling industry in Estonia, several key considerations come into play. Estonia's climate,

Apr 08, 2026

Data Center Design: Hot Aisle & Cold Aisle – Length

Efficient airflow management in data centers relies heavily on proper Hot Aisle and Cold Aisle

May 11, 2026

## Hot and Cold Aisle Containment in Data Centers

Discover what hot and cold aisle containment is all about. Data centers are often made up of

Aug 18, 2025

## Hot Aisle vs Cold Aisle Containment: Full Guide

Hot aisle vs cold aisle containment — compare both strategies, understand the pros and

Apr 04, 2026

## Offshore Dedicated Servers in Estonia | Estnoc

All data halls have guaranteed uniform air velocity and cold aisle pressure controls. Currently there are 3 x 135kW CRAH (N+1) units

Dec 03, 2025

## Estonian CE certified cold aisle rack 42U

Factory Price Data Center Cold Hot Aisle Containment 42U Server With CE certification, this product meets international safety

Feb 14, 2026

## Tallinn Data Centers

Tallinn Data Centers Below you will find locations of 9 data centers in Tallinn (Tallinn), Estonia. To find other data center locations

Feb 11, 2026

## Data Center Containment 101

The hot aisle containment system also separates the cold supply and hot exhaust air from each other, but one advantage to this type

Dec 30, 2025

## Top 27 Data Center Companies in Estonia (2026) | ensun

When exploring the Data Center industry in Estonia, several key considerations come into play. First, Estonia's strategic location in

May 10, 2026

## Data Center HVAC Systems

Learn how Data Center HVAC Systems work using cold and hot aisle strategies and air

Apr 04, 2026

## 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

Jun 28, 2026

00 ReferenceCard portrait

Class A1: Typically a data center with tightly controlled environmental parameters (dew point, temperature, and RH) and mission

May 26, 2026

Web Server Hosting Services in Estonia | Data Center | EstNOC

Estnoc.ee provides data center services, web hosting services in Estonia & 30 other countries with the server co-location fast set up

Aug 22, 2025

FS Community

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

Jan 18, 2026

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

Jan 14, 2026

Colocation

Datacenter INFONET DC offers reliable, Tier 3 compliant infrastructure for housing server and telecommunication equipment in

May 06, 2026

Hot Aisle vs Cold Aisle Containment Explained (Data

In this guide, we'll break down how hot aisle and cold aisle configurations work, what

Mar 27, 2026

Hot Aisle vs Cold Aisle in Data Centers: Technical Impact, ROI, and ...

Data centers are ovens if left unmanaged. Hundreds, sometimes thousands of servers pump out heat — and your

Mar 26, 2026

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

Oct 30, 2025

Hot vs. Cold Aisle Containment: What's Better? | SERVPAC

Many data centers are adopting this new cooling option, but many wonder if hot or cold aisle containment is better for their facility.

May 03, 2026

Tallinn Data Centers

Data Centers in Tallinn with map. List of available providers and facilities in Harju Maakond, Estonia, including Colocation, Bare

Mar 24, 2026

Facilities and Data Centers in Estonia | DataCenterJournal

Estonia has seven data centers, run by six organizations. Telia Group has the largest presence with two facilities, and

Jul 18, 2026

A DEEP DIVE INTO THE WORLD OF HOT & COLD AISLE

THE GREEN GRID: ASHRAE Data Center Cooling Guidelines: Developed in collaboration with ASHRAE, this document provides

Dec 21, 2025

Largest data center in the Baltics opens

The largest and most energy efficient data center in the region was opened on Feb 17, 2022 in Estonia. The building

Jun 17, 2026

Cold Aisle Containment in Data Centers | Subzero

Cold aisle containment works in virtually any data center using traditional air cooling, but some facilities

Oct 17, 2025

## 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

Nov 03, 2025

### Speedbone | Cold aisle containment

Below 18°C, the outside air is drawn in, filtered, and directed to the correct spot in the data center by fans.

May 15, 2026

## Why Estonia Might Just Be the Best Place in the EU for Your Data Center

Let's start with nature. Estonia is cold – and in the data center world, that's not a downside. It's a dream. Servers run

Sep 24, 2025

## Is Hot or Cold Aisle Containment Right For Your Data

Hot aisle containment has those same doors on the ends of the hot aisle and some type of

Jan 20, 2026

## Hot Aisle vs. Cold Aisle Containment for Data Centers

Involving data centers, one of the biggest concerns faced is airflow management. Temperature and humidity need to

Sep 22, 2025

## FOCUSED COOLING USING COLD AISLE CONTAINMENT

Cold aisle containment can be used with or without conventional raised floor cooling. It is easily retrofitted into existing raised floor

Feb 22, 2026

## Cold Aisle Containment

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

## Contact Us

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

Website: <https://www.iiss.co.za>

Email: [sales@iiss.co.za](mailto:sales@iiss.co.za)

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,  
2196, South Africa

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

