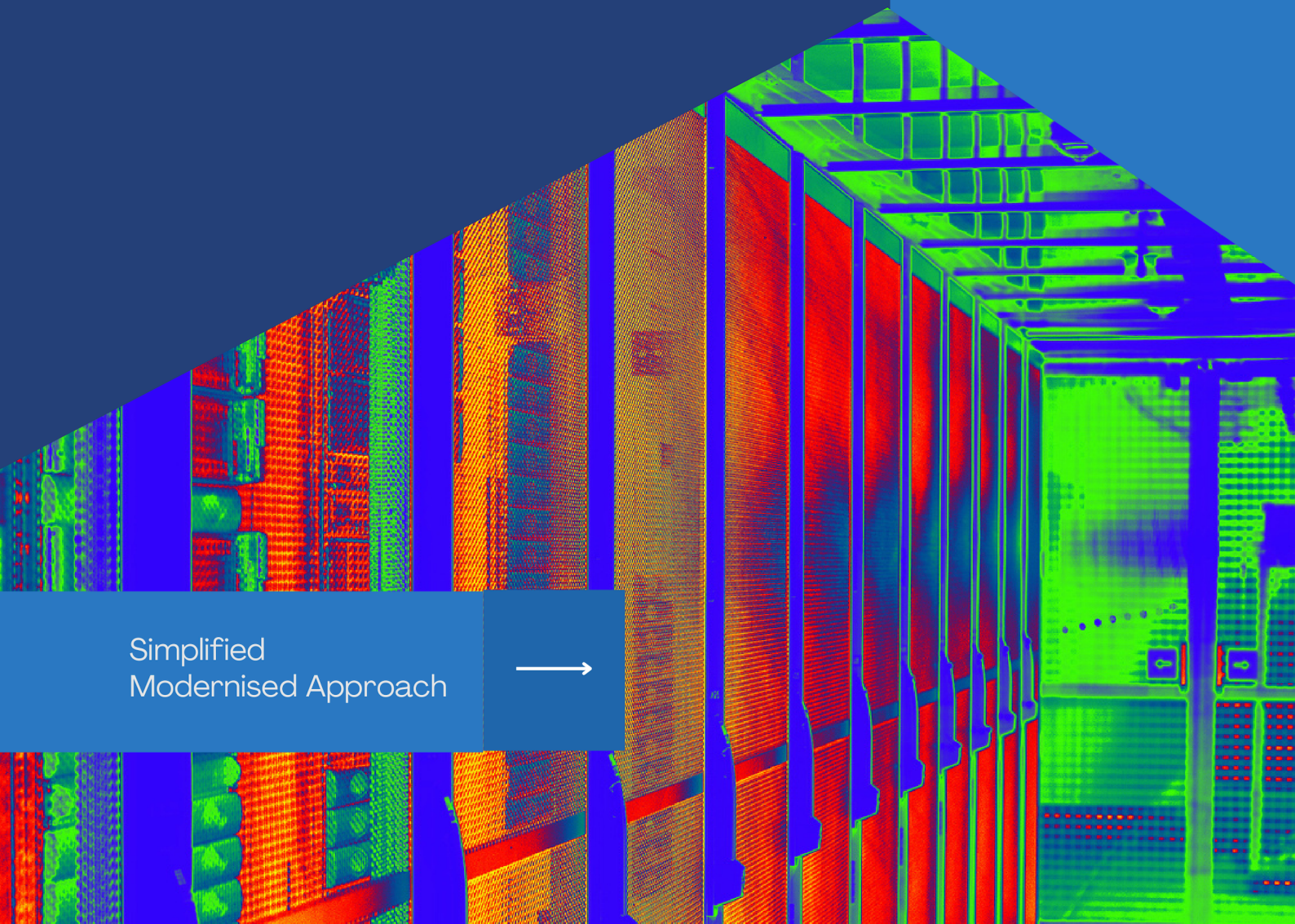


THERMAL CONTAINMENT SOLUTION BY CUMULUS ENGINEERING

SCALE YOUR DATA
CENTER, IMPROVE EFFICIENCY
AND REDUCE COST

Simplified
Modernised Approach



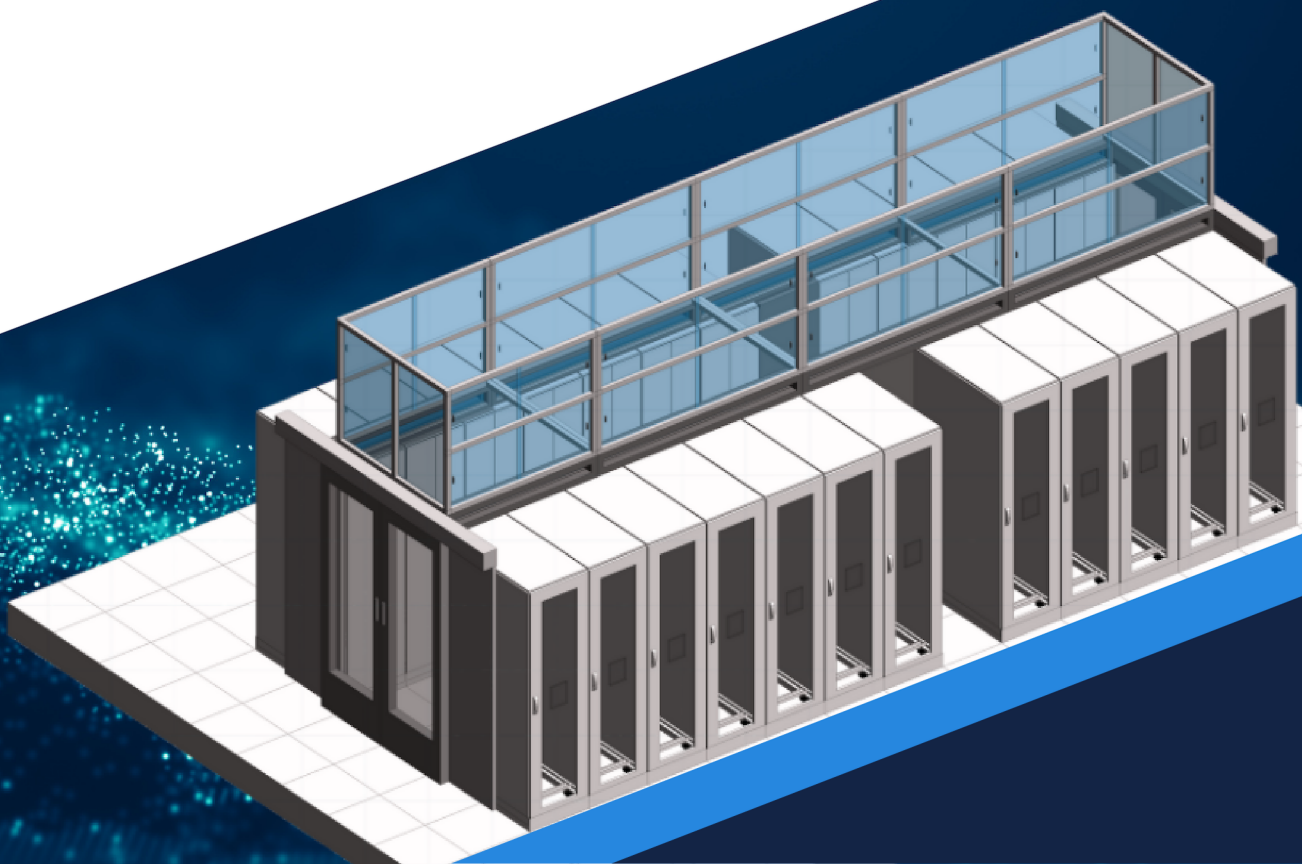
Enhanced Cooling Efficiency with Cumulus Aisle Containment Solution

A Simplified modernised approach to build a reliable, highly efficient and low cost air flow and thermal management solution.

Cumulus Aisle Containment solution strategically enhances cooling efficiency inside the data center spaces.

- **Pre-assembled units to standardize and simplify deployments.**
- **Engineered to minimize fabrication activities at site**
- **Customisable to fit specific application**
- **Pre-fabricated containment to minimise Health and Safety risk.**

Whether implementing Cold or Hot Aisle Containment, our meticulously designed bespoke products are to maximize efficiency in white spaces, thereby enhancing data center operations.



Comprehensive Features of the Cumulus Aisle Containment Solution



Aluminum & Polycarbonate Structure

Durability with materials having resistance to damage, corrosion and fire. Modular block design ensures simplified installation at site.



High-Pressure Resilience

Robust seal to secure the containment from high air pressure differences inside the white space. End points sealed with adhesive foams.



Blanking Panels

Customized solutions to cover sections without cabinets. Easily removable & replaceable with cabinets as per requirements that enhances flexibility in data center layout and configuration.



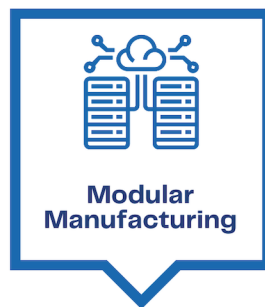
Lighting & Safety

Transparent panels ensure sufficient lighting. Ceiling panels made of shatterproof materials to prevent hazards.

The Cumulus Aisle Containment solution revolutionizes cooling efficiency within data center environments, employing innovative design principles to optimize airflow dynamics.

With customizable options for both Cold and Hot Aisle Containment, our solution maximizes efficiency in white spaces, driving enhanced operational performance across data center facilities.

Simplified Framework For Deployment



1

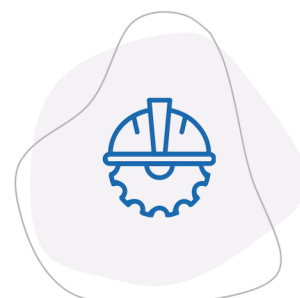
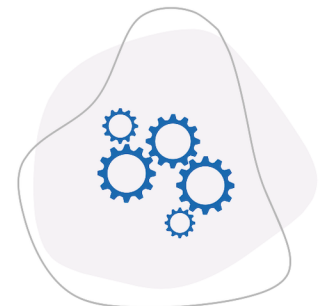
2

3

Site survey to identify the requirements and design containment solutions accordingly.

Modular manufacturing in accordance with data center requirements.

Easy end-user installation using the modular structure.





Door Mechanism

Cumulus Containment Doors Precision-Crafted Solutions for Data Center Excellence

Cumulus Containment Doors undergo meticulous design to meet the specific demands of data center environments, guaranteeing peak performance and unwavering reliability.

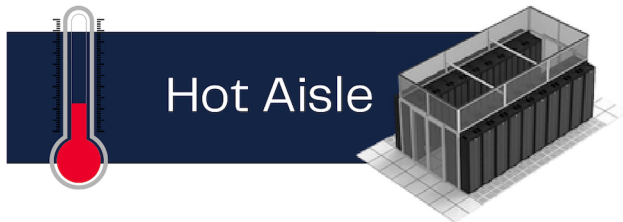
Exclusive Door Mechanism



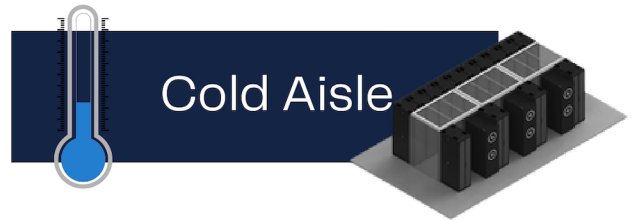
Heavy Duty Door Designed for high power data center requirements to ensure reliable, robust and efficient containment solution

- **Weight Distribution**
Precise weight distribution to optimize stability and durability in data center environments.
- **Dust-Proof Channels**
Prevent the accumulation of dust and other particulate matter, ensuring optimal performance while maintaining cleanliness
- **Controlled Door Operation**
Allows users to manually control timing functions, providing flexibility and convenience in managing operations
- **Force Closing Mechanism**
Ensures a secure and reliable closure of doors, enhancing safety and security within the environment
- **Visibility and Safety**
Ensure optimal conditions and minimize risks within the environment
- **Integrated air sealing**
minimizing air leakage and enhancing overall efficiency in data center operations

Containment Solutions



Hot Aisle



Cold Aisle

01 > Modular chimney design

Modular chimney design for the management of different size of cabinets

02 > Sliding Window

Sliding windows for accessibility to the cabinets

03 > Sectional Aluminum Structure

Sectional structure for adaptability.

04 > Filling Panels

Transparent polycarbonate filling panels, customized to site requirements.

01 > Drop away Panels

Thermal drop away panels installed on the containment ceiling, allowing entry for fire suppression systems

02 > Cantilever support

Cantilever support for camera installation and sensors

03 > Ceiling panel window

Transparent Ceiling panel window for accessibility.

04 > Sectional Aluminum Structure

Sectional structure for adaptability.