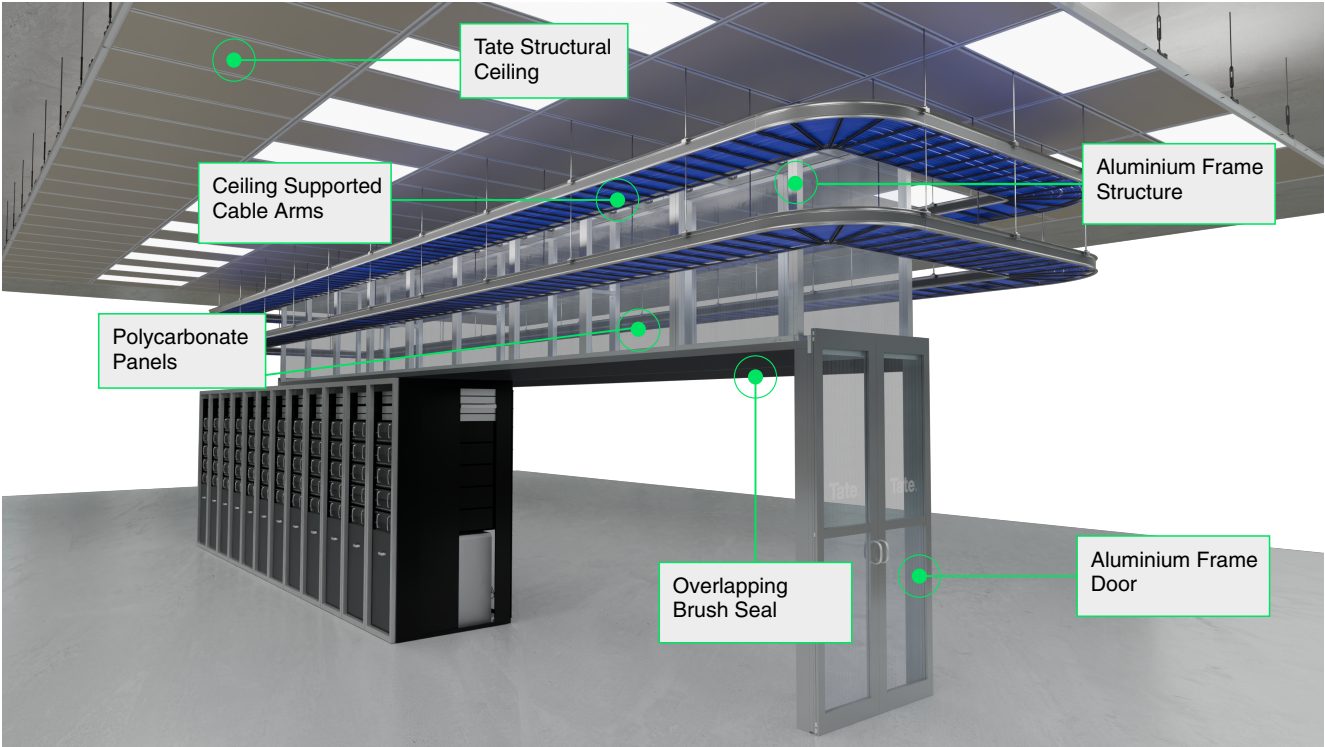


Ceiling Supported Hot Aisle Containment



Tate's ceiling-supported hot aisle containment system is a pre-engineered solution designed to efficiently capture and channel hot exhaust air from IT equipment into an overhead plenum. By improving the separation of hot and cold air streams, Tate's containment system enhances overall data centre airflow management and cooling efficiency. The ceiling-mounted design also provides flexibility for accommodating overhead services, maximising the usability of the data hall space.

Fully customisable to suit individual project requirements, the system can be configured in varying lengths, heights, and widths to precisely align with client-specific & spatial constraints.

Engineered for rapid and straightforward installation, Tate's hot aisle containment system enables swift deployment with minimal disruption, making it an ideal solution for both new builds and retrofit projects.

Details	
Frames	Extruded Aluminium
Finish	Powder Coated
Supported Aisle Widths:	1.2m Typical Aisle Width
Supported Aisle Height	4.8 Max Ceiling Height
Supported Aisle Length	Custom
External Width	1.32m Typical Width

Specifications

- Fully compatible with Tate structural ceiling systems for seamless integration
- No-threshold door design eliminates floor obstructions and reduces trip hazards
- Ergonomically designed handles minimise pinch points
- Doors are compatible with both slab floors and access floor installations
- Pre-assembled partitions enable accurate planning by integrating project-specific design constraints from the outset.

Containment Door Options:



Single Hinged Door



Dual Sliding Door



Single Sliding Door



Doors

Pre-assembled, hinged and sliding door options available



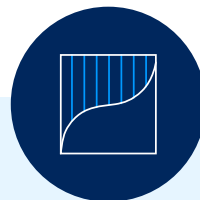
Production Capacity

Scaleable production capacity ensures on-time, cost-effective delivery for simultaneous projects



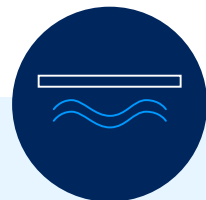
Technical Support

Our dedicated team of engineers work with you to design a bespoke solution for every project



Panel Options

8mm Multiwall Polycarbonate
8mm Twinwall Polycarbonate
6mm Clear Polycarbonate



Air Leakage

Perimeter overlapping brush seals efficiently seal & minimise air leakage

Containment Mounting

Designed for seamless integration and full compatibility with all Tate structural ceiling systems.

Hot Aisle Containment partitions and support structures can be suspended at any location within the Tate structural ceiling grid, eliminating the need for customised components or ceiling tile penetrations.

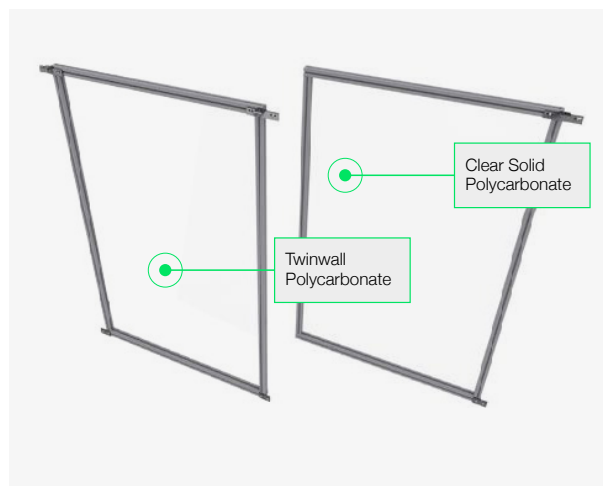


Composition

Constructed from extruded aluminium and available in a range of colour options, the partitions can be customised to accommodate varying gap sizes and site obstructions, including structural columns. This flexibility ensures a precise fit across diverse data centre layouts.

Suitable for use in both hot and cold aisle containment applications, each partition is custom sized per project to minimise air leakage and optimise airflow performance. Lightweight, cost-effective, and visually streamlined, the partitions are supplied pre-assembled with mounting brackets for fast and straightforward installation.

Polycarbonate infill options include Multiwall, Twinwall, or Clear Solid panels, allowing selection based on specific project requirements and performance needs.



Typical Partition Types



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