Interior Systems, Inc.

Trusted for over ***30 years*** in the data center industry.

CONTAINMENT

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HOT AISLE CONTAINMENT

A Hot Aisle Containment systems provides a physical barrier between your data center's hot aisle and the rest of the room. This will eliminate the hot and cold air mixing by separating the supply and return airflow. Discharged air from the facility's IT equipment is returned directly to the cooling equipment through a ceiling plenum or ductwork.

BENEFITS

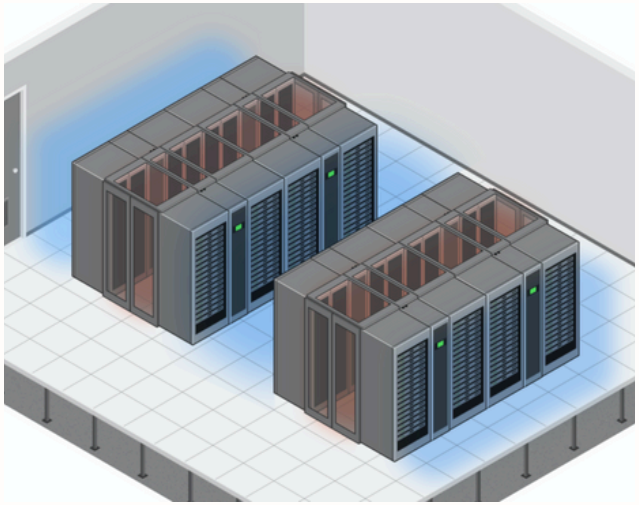
- Increased power energy efficiency
- Reduction of bypass airflow rate
- Allows for an increase in rack population and overall server load
- Ability to extend the lifespan of facility equipment

COLD AISLE CONTAINMENT

A Cold Aisle Containment system isolates the cold aisle from the hot exhaust air and rest of the room. The system ensures maximal thermal efficiency and maintaining stable inlet temperatures. This target approach improves cooling performance, reduces energy consumption, and supports higher rack densities without overburdening existing HVAC systems.

BENEFITS

- Improved cooling efficiency and temperature uniformity across equipment
- Reduced demand on CRAC/CRAH units and overall cooling infrastructure
- Enhanced capacity for higher density rack configurations
- Lower operating costs through more efficient use of supplied air



Interior Systems, Inc. has been working in Data Centers for over ***30 years*** and knows the industry like very few do. Our extensive knowledge and proven experience make the difference between projects that are delivered on time and on budget — and those that suffer from costly delays and overruns.

Whether you're looking for a supply and install or an install only, give us a call today. We will be happy to discuss your next project.

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STRUCTURAL

A Structural Containment System creates a secure, rigid framework that defines and supports the boundaries of hot or cold aisles within a data center. Designed to integrate seamlessly with the facility's cooling infrastructure, it ensures efficient airflow control while maintaining structural integrity. This system helps channel air precisely where it's needed, improving cooling performance and energy efficiency across the room.

BENEFITS

- Improved PUE by reducing cooling costs and improving system performance
- Prefabricated components allow for quicker setup and reduces disruption to project schedules
- Easily accommodate cable trays, lighting, and future equipment changes

MANIFOLDS – FACTORY TESTED & INSTALLATION READY

IN-AISLE MANIFOLDS

Installed directly inside the Hot Aisle Containment (HAC), these manifolds are designed and built for high-density deployments where both space and performance are critical. Their integrated configuration delivers liquid cooling right at the source, maximizing thermal efficiency for AI and HPC applications.

FLOOR-SUPPORTED & CUSTOM CONFIGURATIONS

When standard setups don't fit, our floor supported and hybrid systems offer flexibility. These solutions adapt to unique layouts or constraints, combining in-aisle, underfloor, or custom routing – delivering performance, scalability, and accessibility without compromising.

MODULAR UNDERFLOOR MANIFOLDS

Designed for both new builds and retrofits, modular underfloor manifolds efficiently route cooling beneath the raised floor, minimizing disruption and enabling quick, streamlined installation. A practical option for scaling capacity while maintaining uptime.