



DATA CENTRE SOLUTIONS

Hot & Cold Aisle Containment Systems

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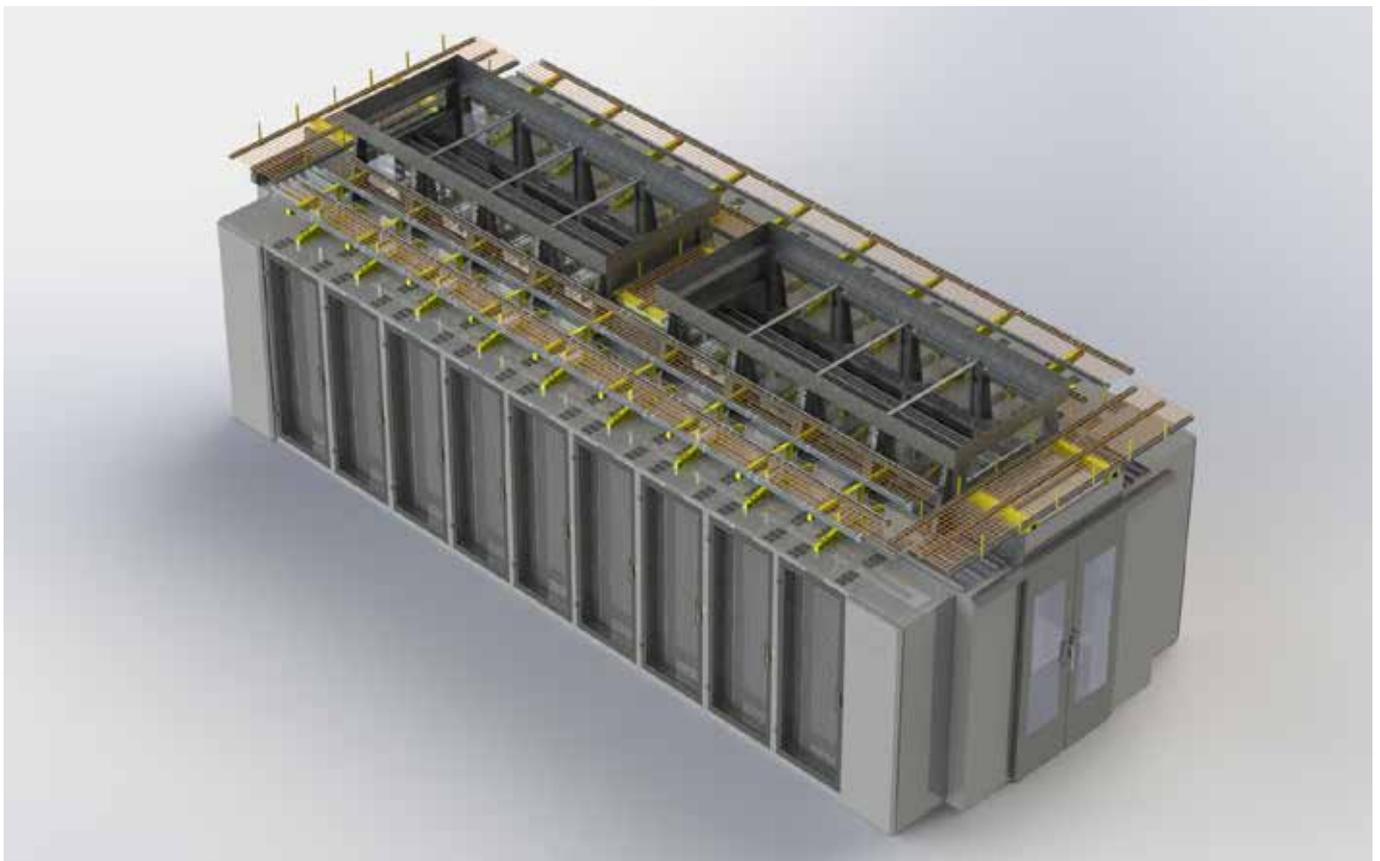
Hot Aisle Containment (HAC) and Cold Aisle Containment (CAC) is a highly effective process of airflow management that results in the optimisation of cold air usage which improves the cooled air flow within data centres and IT environments.

Benefits

- Increases cooling efficiency by separating hot and cold airflows
- Aisle containment optimises air flow to significantly reduce cooling costs
- Reduced energy usage can reduce carbon footprint
- Protects IT equipment by reducing humidity and static

Hot Aisle Containment (HAC)

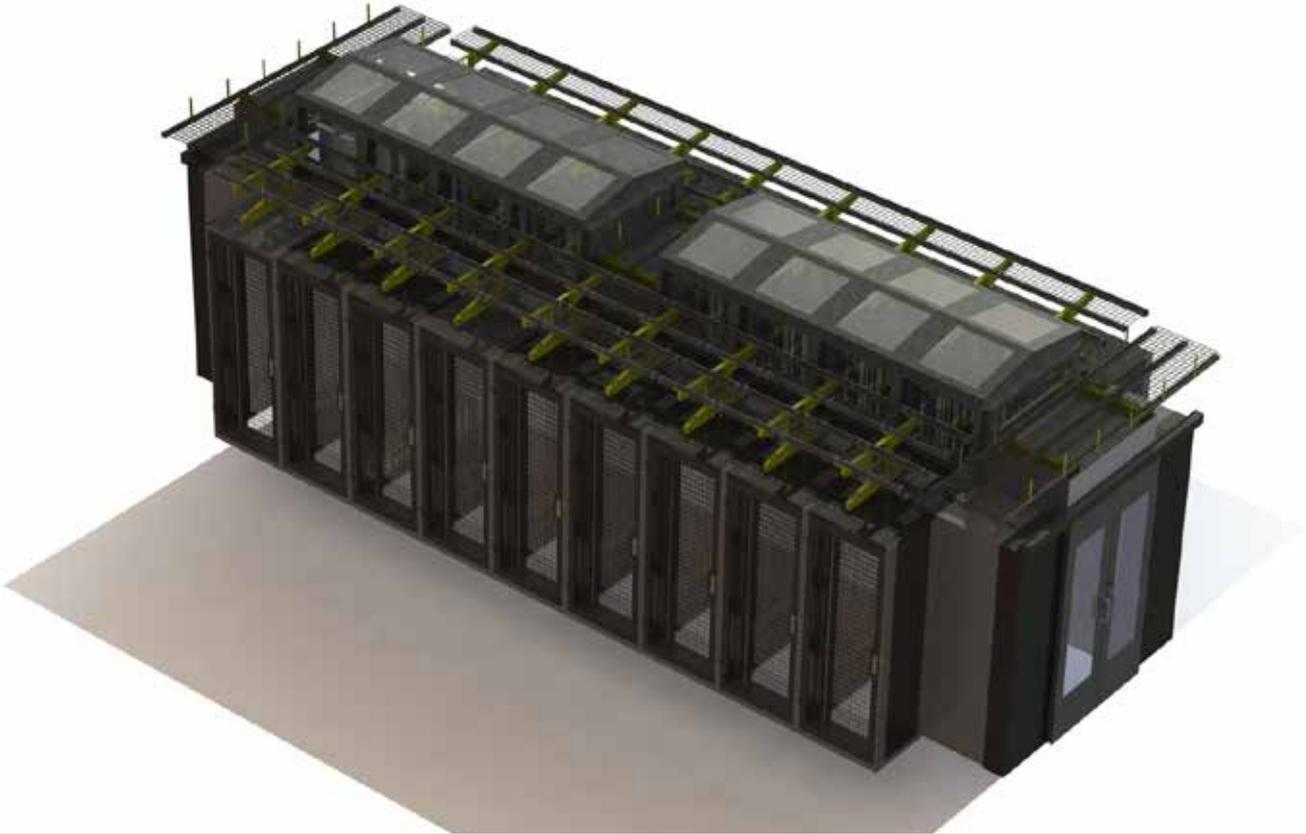
A hot aisle containment (HAC) system encloses the hot aisle to collect the IT equipment's hot exhaust air, which allows the rest of the data centre or IT environment to become a large cold air return plenum.



Hot Aisle Containment (HAC)

Cold Aisle Containment (CAC)

A cold aisle containment system (CAC) encloses the cold aisle thus allowing the rest of the data centre or IT environment to become a large hot air return plenum.



Cold Aisle Containment (CAC)

We understand that not all off-the-shelf products suit everyone. We will work with you to create a solution that meets all your requirements. Our team of experts can design a solution to fit any cabinet configuration including height, width, depth, alignment, aisle layout and floor space.

About Rainford Solutions Ltd

We have been designing and manufacturing data centre racks and cabinets, hot and cold aisle containment, modular caging and partitioning systems and many more data centre solutions for over a decade. We continually innovate to meet the ever-changing infrastructure challenges of today's highly advanced technological centres.

We work with critical infrastructure operators, systems integrators and global operators to develop custom-made enclosures as well as standardised solutions for micro-data centres to hyperscalers, new or existing facilities.



Our Consult, Design, Make and Protect process allows our UK engineering team to develop solutions to your challenges, quickly and cost-effectively, ensuring your equipment will perform at its best, achieving high levels of reliability and in-life maintenance costs.

Our modern factory, including the UK's most advanced powder paint plant, can produce in volume for national and international scale infrastructure projects. We also offer factory pre-wiring to save valuable time on site.

Contact

Rainford Solutions Ltd
Rainford House
Mill Lane
Rainford
St Helens WA11 8LS

Tel: +44 (0) 1744 889 886
Email : sales@rainfordsolutions.com
Web : www.rainfordsolutions.com

