WIRAKARYA

Cold Aisle Containment

Thermal Management Solution with energy efficiency cooling system for data center

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Dealing with data center temperature problems can be quite challenging when there is zero downtime windows. Cold Aisle containment is specially designed for today's data center cooling systems. It's unique airflow management strategy can produce significant and measurable economic benefits.
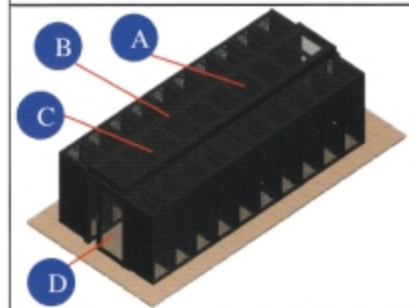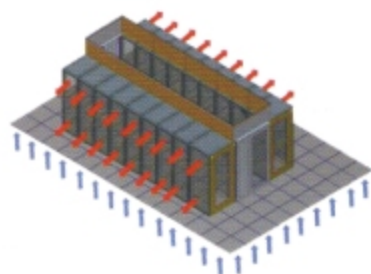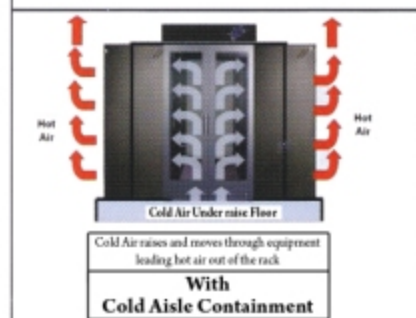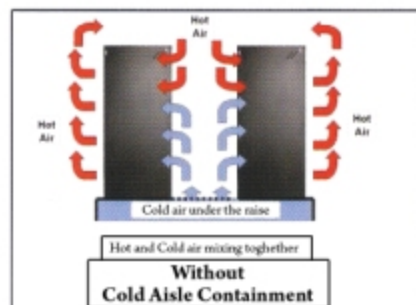
Cold Aisle containment are designed to allow cool air to rise from the plenum under the raised floor, through perforated floor tiles. In the cold aisle, the server or equipment racks are arranged to face each other so that the cool airthrough the perforated floor tiles are drawn into the equipment cooling inlets in the rack. Hot air is expelled at the rear of the rack. Hot air is directed back to the air conditioning system within the data center.

Advantage

- Preventing 'air short circuits' (mixing of cold & hot air) thereby improving energy efficiency
- Uniform temperature across cabinet height (within containment)
- Increased heat dissipation & better heat management
- Reduction of operational expenditure (OPEX)
- Increases mean time between failure (MTBF) of equipment
- Cost saving solution
- Eliminating hot spots within the aisles

Feature & Accessories

- A- Polycarbonate Snap-on Roof Panels
- B- Roof Supporting Bracket
- C- Roof Center Supporting Bracket
- D- Sliding Perspex Door Frame with Door Seal
- Perforated raised floor tiles
- Airboost Floor Fan Unit
- 1U / 3U EzSnap Blanking Panel

Without Cold Aisle Containment

With Cold Aisle Containment