

# Cold Aisle Construction Case of French Data Center Cabinets

A unique cabinet solution for applications that require engineering services. Our engineering team will work with you to create a cabinet design to meet your requirements for the data center.

Aisle containment in the data center requires that cabinets are aligned in a hot aisle/cold aisle layout. Containment panels or strips create a partition to isolate either the server supply air (cold aisle ...

Cold Aisle Containment or CAC is a proven, relatively easy to deploy solution for effectively managing airflow within a data centre. A CAC system surrounds the cold aisle and it keeps cold supply air ...

Complete cold aisle containment guide for data centers. Learn CAC benefits, implementation steps, and achieve 35% cooling cost reduction.

This First-Case solution can easily be implemented in your existing Datacentre without removing and replacing existing cabinets. Of course this solution is also perfectly suitable as a Hot Aisle Containment.

Data centers opting for cold containment deliver cold air through a raised floor into the aisle. This air is contained in front of the cabinets, creating a homogeneous air plenum at the desired temperature.

Cold aisle containment systems use doors at aisle ends, ceiling panels or lids above racks, and structural frames to create enclosed zones where cold supply air flows directly to IT equipment intakes.

By enclosing the cold aisle or hot aisle, the efficiency of the cooling in the data center is significantly increased and the energy expenditure is considerably reduced.

By introducing cold aisle architecture where the hot and cold air are separated, the supply air temperature can be increased to 17°C and the return air temperature to 27°C.

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