

SERVER ROOM & DATA CENTRE INFRASTRUCTURE

ON TIME
ON BUDGET
ON YOUR SERVER ROOM BUILD



A Complete Infrastructure Service



We provide a complete construction service for your server room build – including **air-conditioning**, fire-rated ceilings and walls, **raised floor structures**, fire detection and **fire suppression systems**. Other services include lighting, pipe work installation, GAS extraction systems, room sealing and pressure testing, CCTV and access control, **electrical installation**, **UPS systems** and standby generators, as well as equipment enclosures, environmental monitoring and **voice and data cabling**.

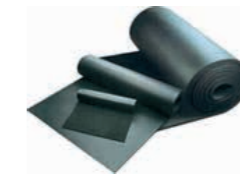
Types Of Project We Can Help You With

- ✓ Server Room and Data Centre Build and Fit-out
- ✓ Data Centre and Server Room Relocation
- ✓ Maintenance and Protection
- ✓ Control Rooms
- ✓ Project management



Our Presales Consultant team has prepared the above option for the layout and meet Customer requirement of server room in the future thus leave room for expansion.

The New Server Room will us 2 hours fire rated partition for the Wall with 2 hour fire rated Door , this is Standard request form Hong Kong Fire Services Department and we will enclosed the ceiling by 2 hours fire rated partition, and the ceiling will use anti-static, sticky and waterproof cement painting.



High standard insulation material can protect cold and hot pipings and decrease the energy lost To choose the best anti-fire material



Cable Ladder inside the Server Room

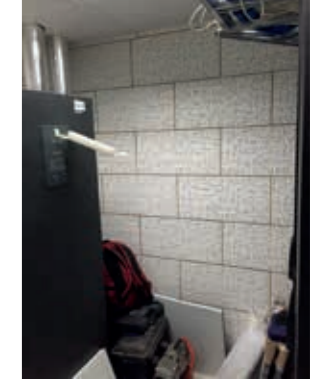
Wire Netting

As Request by the Customer We will separate the Server Room to 2 division : Zone 1 , Zone 2,2 different Security Level Area to classified the End User



Computer Rooms Noise Control & Soundproofing Solutions

Excessive noise levels are a growing problem in computer room design and construction. Computer server racks, towers, and CPU's all have cooling fans built in. Computer fan noise is a high-pitched whine that reduces employee productivity and efficiency. To quiet that computer fan noise, sound-absorbing materials should be used in the design and construction of these rooms.





Design & Consultancy

We specialise in server room design and build, refurbishment, relocation and support. 3Link are dedicated to providing a manageable solution, individually tailored to suit your needs. We offer a flexible data centre design and consultancy service, providing a comprehensive solution for any server room project.



Maintenance and Protection

for critical business systems, the very highest levels of support and service are essential. Our maintenance contracts guarantee a 4-hour response to an emergency call-out, 24/7, every day of the year.

FirePro[®] Condensed Aerosol Fire Suppression Systems

FirePro Systems manufactures Condensed Aerosol Fire Extinguishing Systems - the leading brand in the condensed aerosol fire extinguishing technology. 3Link are a certified distributor for the FirePro fire suppression agent. It is environmentally and ecology friendly, non-toxic and non-corrosive, with zero Ozone depletion factor and zero global warming potential.

It is a modular suppression system of a solid potassium based compound a cost effective alternative to water mist and pressurised gas.

Applications:

Electrical Rooms
Control Rooms
Sub- Stations
Plant Rooms
Electrical Panels & Cabinets
Electro Centers
Power Generator Rooms
Wind Turbines
Warehouses & Archives
And more...



Advantages:

- ❖ No distribution piping, manifold or nozzles required.
- ❖ Tremendous space and weight saving.
- ❖ Easy installation and retrofitting.
- ❖ Easily connected to existing conventional fire detection and activation systems.
- ❖ Negligible maintenance costs during their life time compared to other conventional systems.
- ❖ Offers local total flooding protection capability, which combats and restricts the fire at its source.
- ❖ Operating temperatures ranging from 50°C to 150°C with humidity of up to 98%.
- ❖ Easily transported.
- ❖ No special handling for compressed gas cylinders.
- ❖ No system pressurization or room integrity tests.

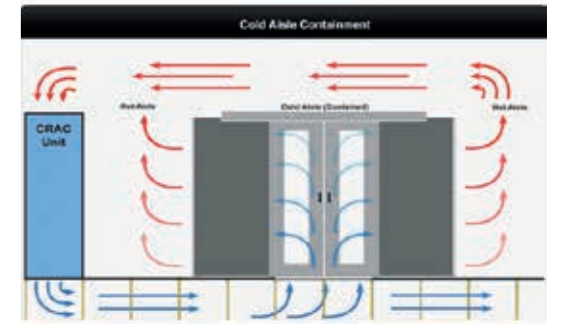


Air-Flow Management Data centre Containment Solution

As rack densities inevitably climb, the challenges for air-flow management become more severe. The infrastructure struggles to deliver a sufficient volume of cool air to the equipment and to move exhaust air to the air handlers. As it's forced to deliver colder air at a greater CFM, the cooling scheme consumes more energy from the fans through the pumps, down to the chiller. And even under minimal loads, the efficiency of these systems is suspect.

Due to the open architecture of the data center room, hot aisle/cold aisle cannot attain complete air separation. Therefore, here comes in the **COLD AISLE / HOT AISLE CONTAINMENT SOLUTIONS**.

Cold Aisle Containment Solutions are flexible, feature-rich products for both cold aisle containment that offers superior airflow management, resulting in reduced operating costs. Ideal for retrofits and small physical footprint requirements, this solution confines the cold air supply to an entirely closed off area targeted at cooling IT equipment instead of the room.



Hot Aisle Containment Solutions works in the same way as a conventional hot aisle / cold aisle layout. Cold air from the local room ambience is drawn through the perforated doors on the front of each cabinet. The cold air is drawn over the active equipment where the heat from the equipment transfers to the air.



Heavy Duty Double / Single Sliding Door with Auto-Retract feature



Constructed with Toughened Glass provides 100% view and better air blocking function. Featured with Large Size Handle for easy opening or closing action.

Double / Single Sliding Containment Door with Auto-Retract feature



With the structure of Modular Aluminum Profile, we can nearly construct any size of the containment door to fit you Data Centre in a short period of time.



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