

LUNCH & LEARN: DATA ROOM COOLING

UNDERSTANDING THE UNIQUE CHALLENGES OF COOLING IT EQUIPMENT:
WHY STANDARD AIR CONDITIONERS ARE POORLY SUITED TO COOL IT EQUIPMENT.
COMMON MISTAKES IN AIR DISTRIBUTION LAYOUT.
PROS AND CONS OF RAISED FLOORS.
AIR FLOW DYNAMICS OF IT EQUIPMENT.



Implementing hot aisle containment:

Many companies like Simplex have developed universal components for aisle containment. These systems can be adapted to almost any rack configuration. Rack manufacturers are also building chimney cabinets specific to hot aisle containment.

Improving CRAC airflow:

Not everyone can afford Computational fluid dynamics modeling to improve airflow. However, there are some simple ways to enhance room dynamics.

Free cooling / Economizers:

Outside air - Econo-coil systems - Heat exchangers - Wet side economizers.

New technology compared:

Heat-wheel, Indirect evaporative and direct adiabatic cooling.

Humidity, Why control it ?

Besides electrostatic discharge (ESD) from low humidity, understanding other reliability risks from poor humidity control.

Beyond the closet:

Why traditional air conditioning equipment is wrong for even a small room.

N+1

Many data rooms have redundancy in their critical infrastructure except cooling, how to evaluate N+1 cooling.

Mechanical system installation:

How improper installation can put data centers at risk, common installation errors and how to address them.

June 9th - 11:00 to 2:00 - The Oregon room at the Phoenix Inn, Bend

Seminar and deli lunch are complimentary
email attendee company and name to: dave@itaire.com

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