

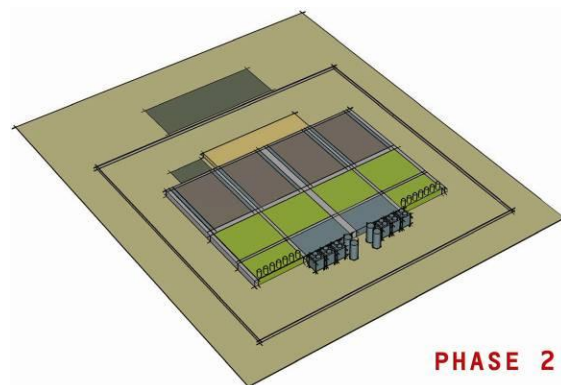
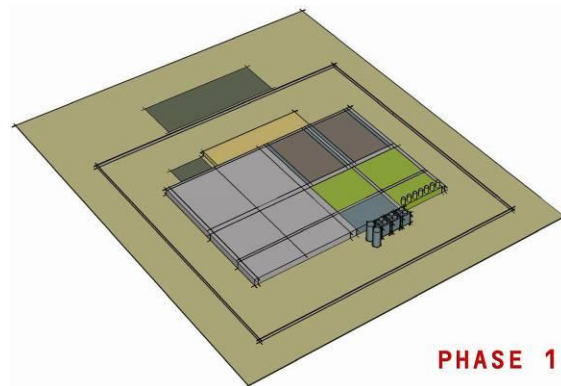
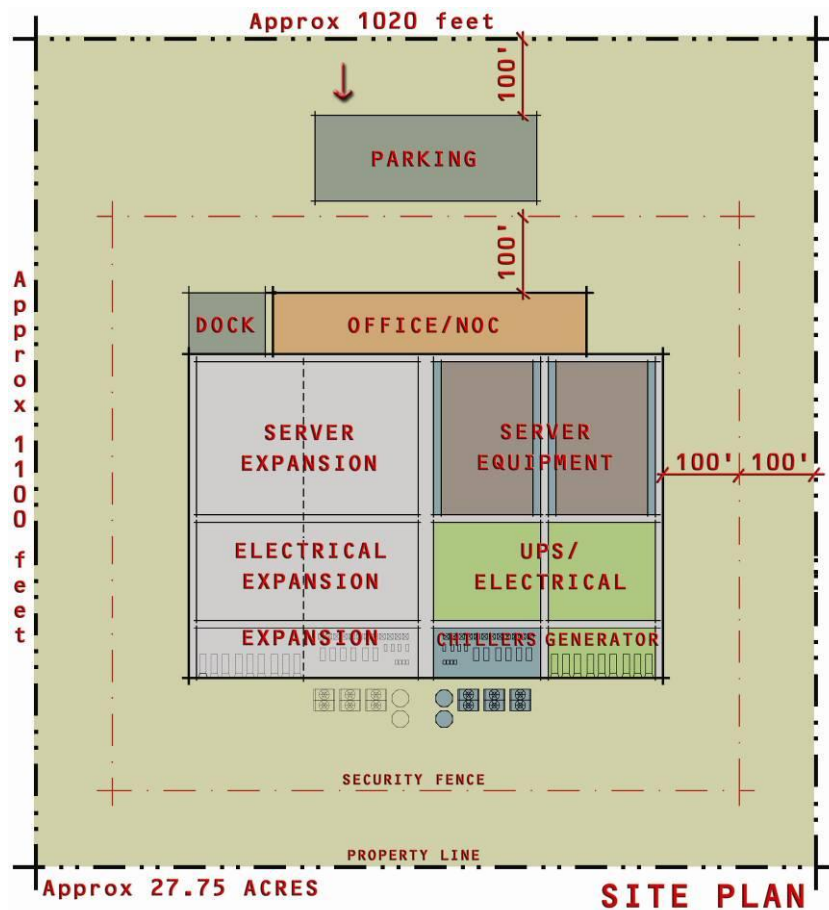


Intel® Corporation Presents: The Eco-Technology Great Debates

Brick-and-Mortar Data Centers

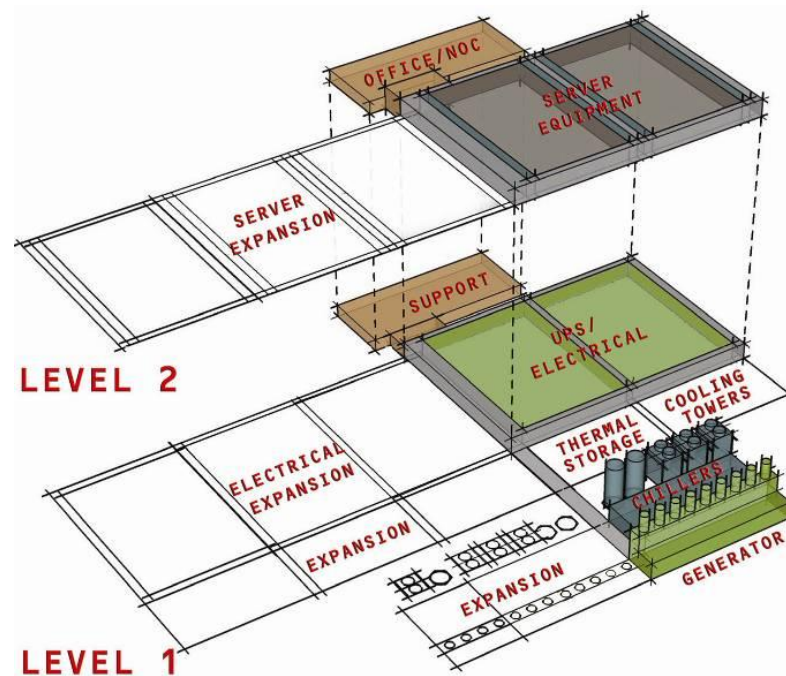
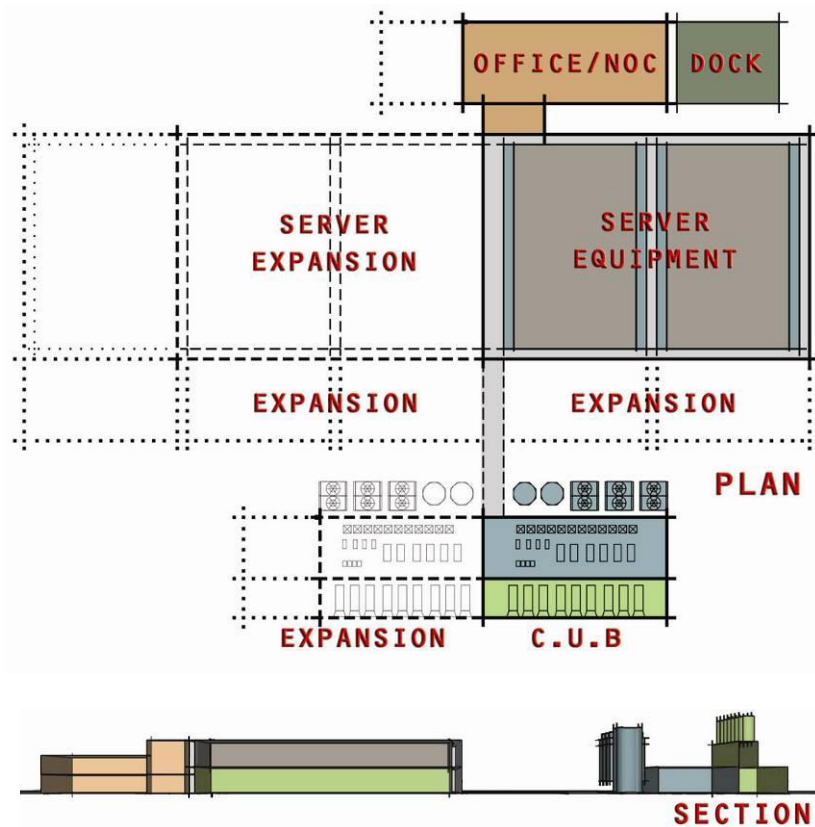
Concept Data Center

Traditional One-Story Data Center



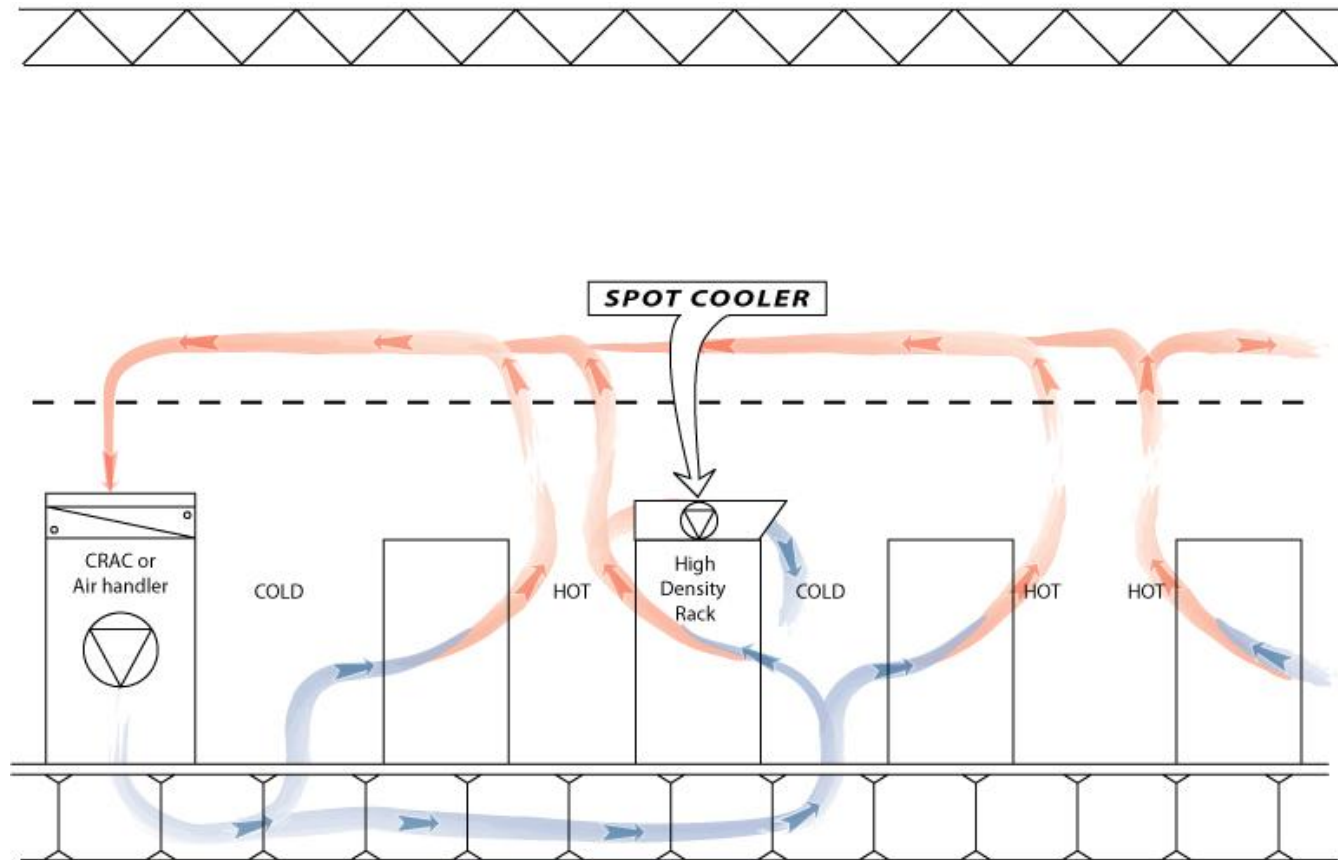
Concept Data Center

Two-Story Data Center – Option A



Flexibility for growth/changes
 Separate CUB
 Central “spine” for utilities

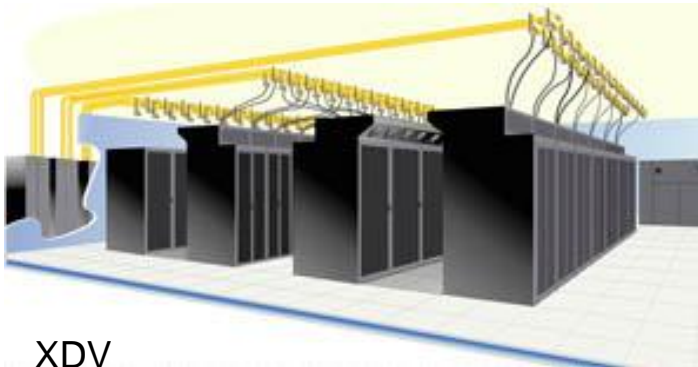
Data Center High Density Cooling Concepts



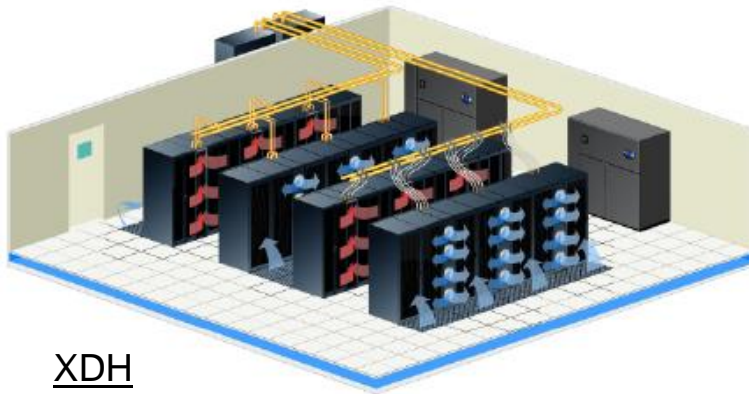
Data Center Cooling Concepts - Examples



Liebert XD Spot Cooling System



XDV



XDH

APC InfraStruXure*



APC RC

APC RP

IBM



"Cool Blue"

Data Center Cooling Concepts

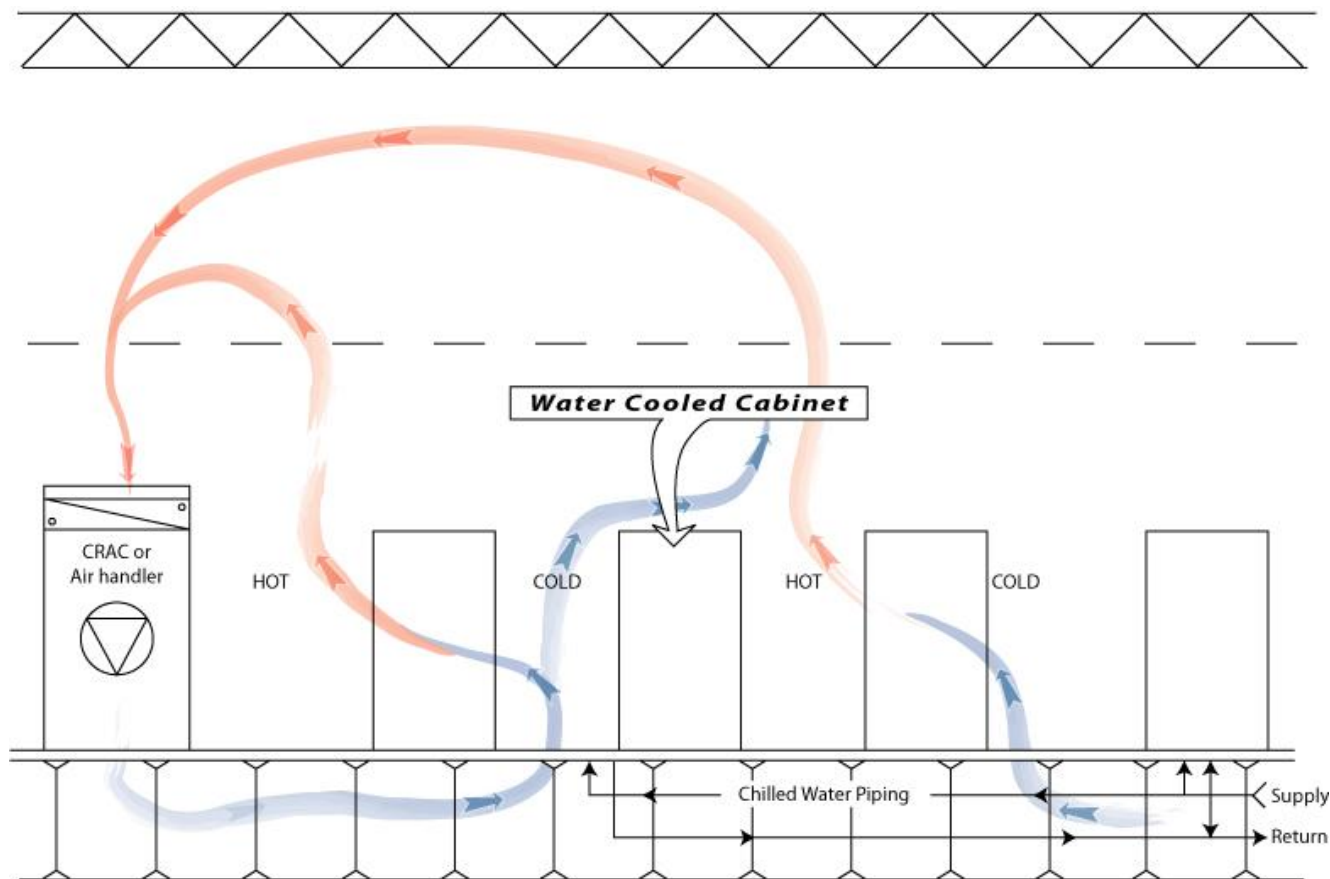


Image © CH2M HILL IDC, 2005

Data Center Cooling Concepts - Examples



Rittal Corporation



LCP

APC



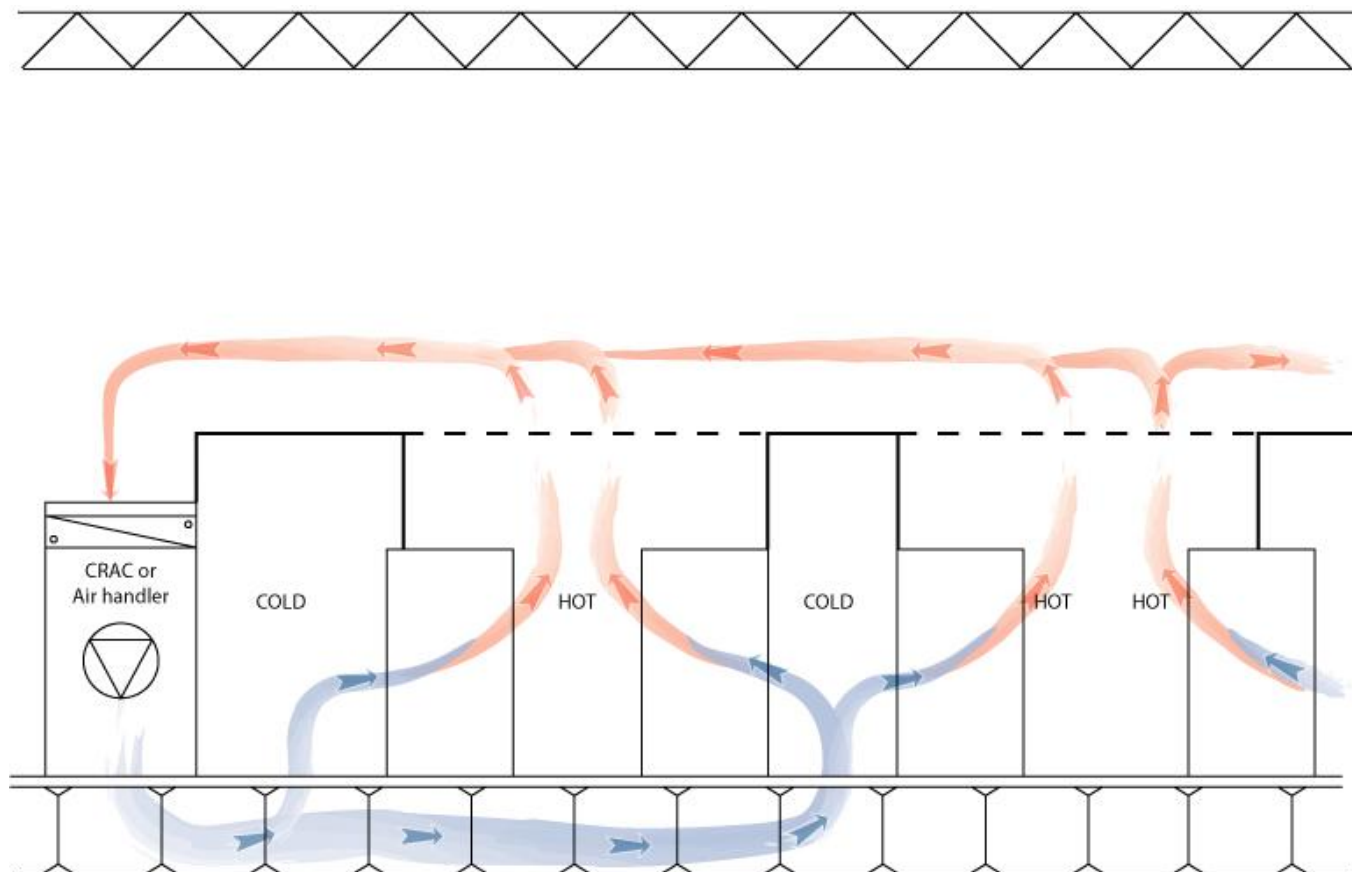
High Density
Enclosures

Liebert XD Enclosures



Liebert XDK

Data Center Cooling Concepts



Data Center Cooling Concepts - Examples



Custom Designs



Hot Aisle



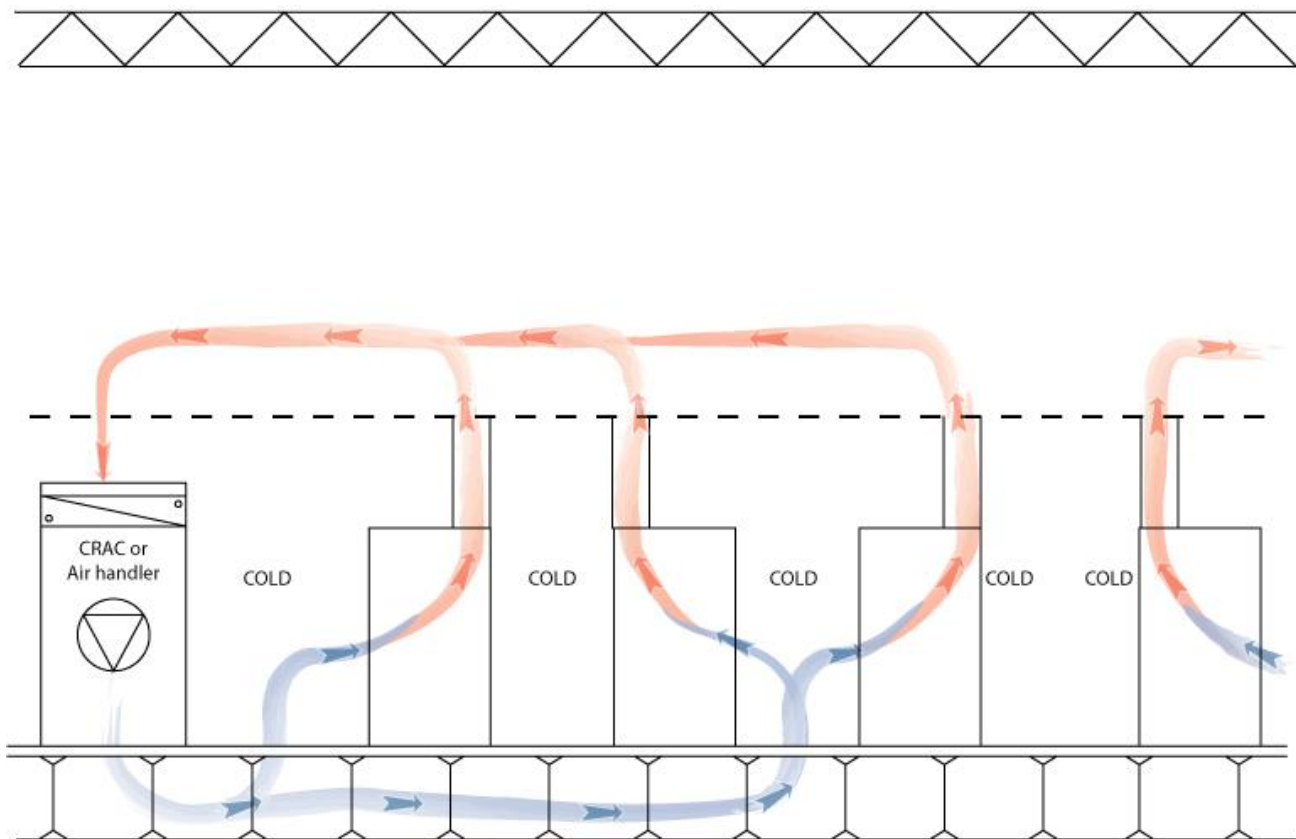
Cold Aisle

APC InfraStruXure*



APC Hot Aisle Enclosure

Data Center Cooling Concepts



Chimney Option

Image © CH2M HILL IDC, 2005

Data Center Cooling Concepts - Examples



Wright Line / Stultz Air



APC InfraStruXure*



CPI Passive Cooling™ Solutions

Chatsworth Products, Inc.

Data Center Cooling Concepts

Sun Microsystems



APC InfraStruXure*



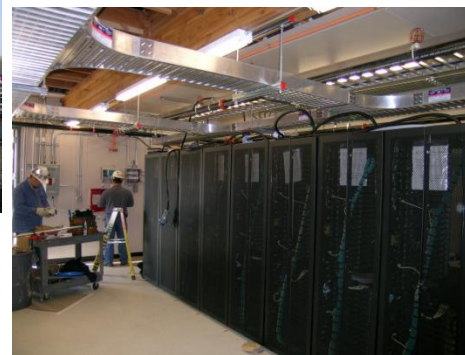
InfraStruXure Express



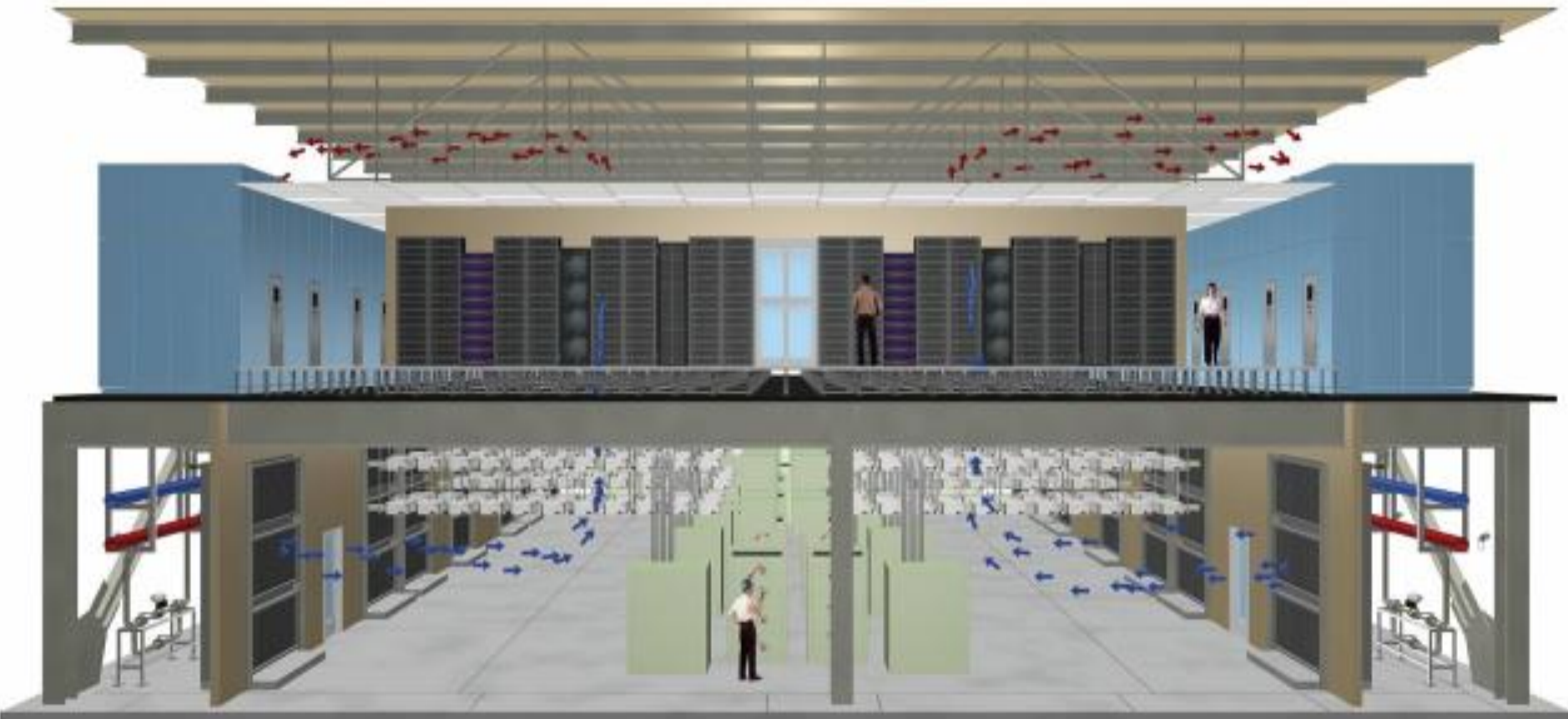
Black Box



Custom Double Wide Trailer

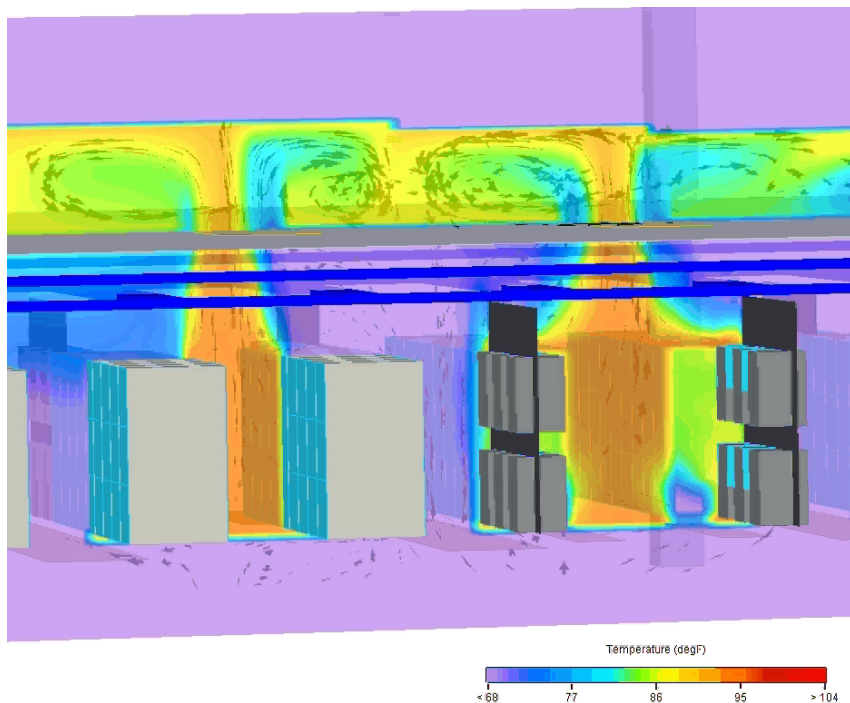


Case Study – Air-cooled High Density *Hillsboro, Oregon*

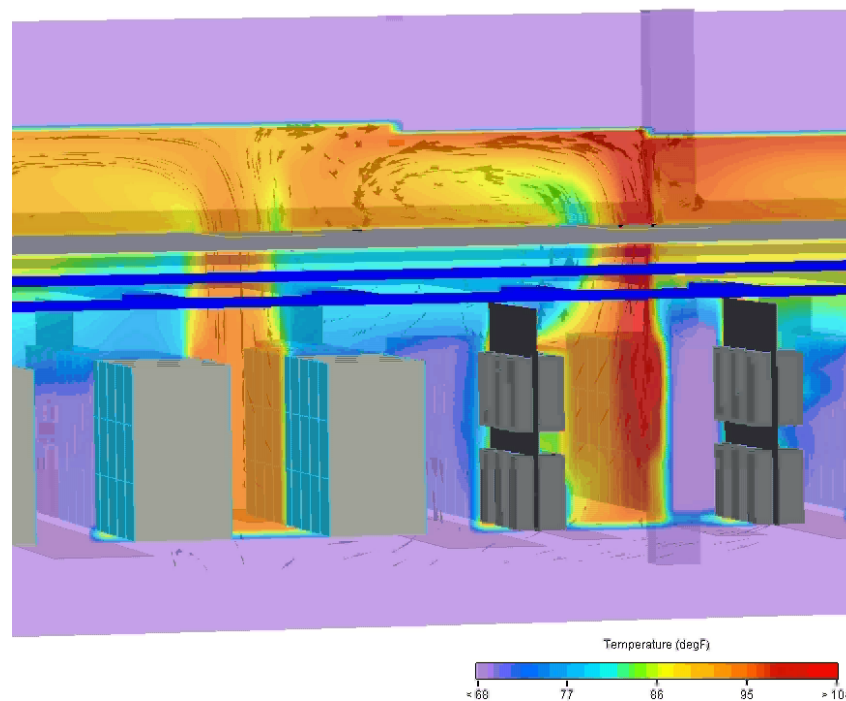


 IDC ARCHITECTS

Air Management Airflow Modeling



Normal Operational Mode

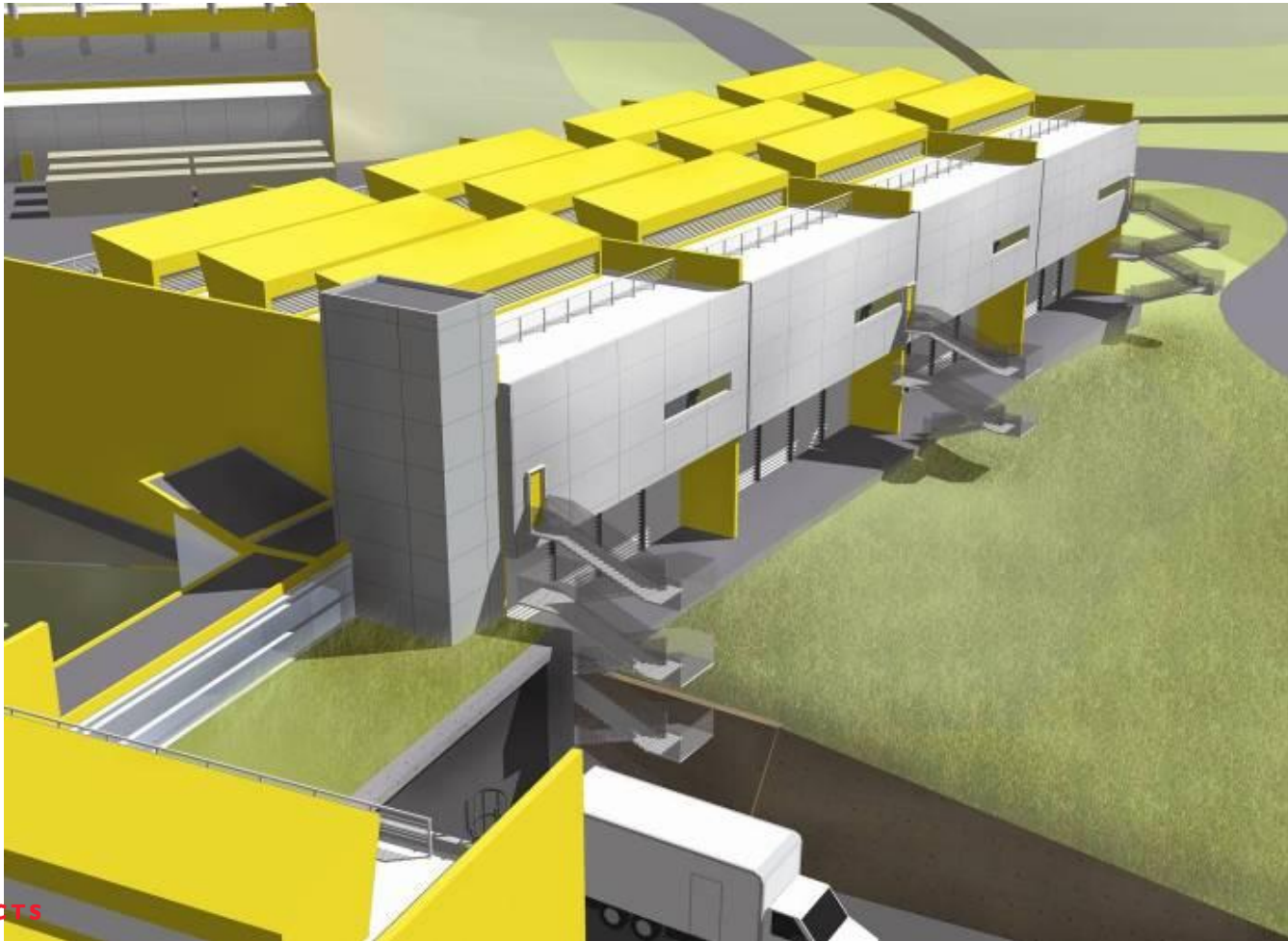


Failure Operational Mode

Maximizing the Benefit Integrated Architecture and Engineering

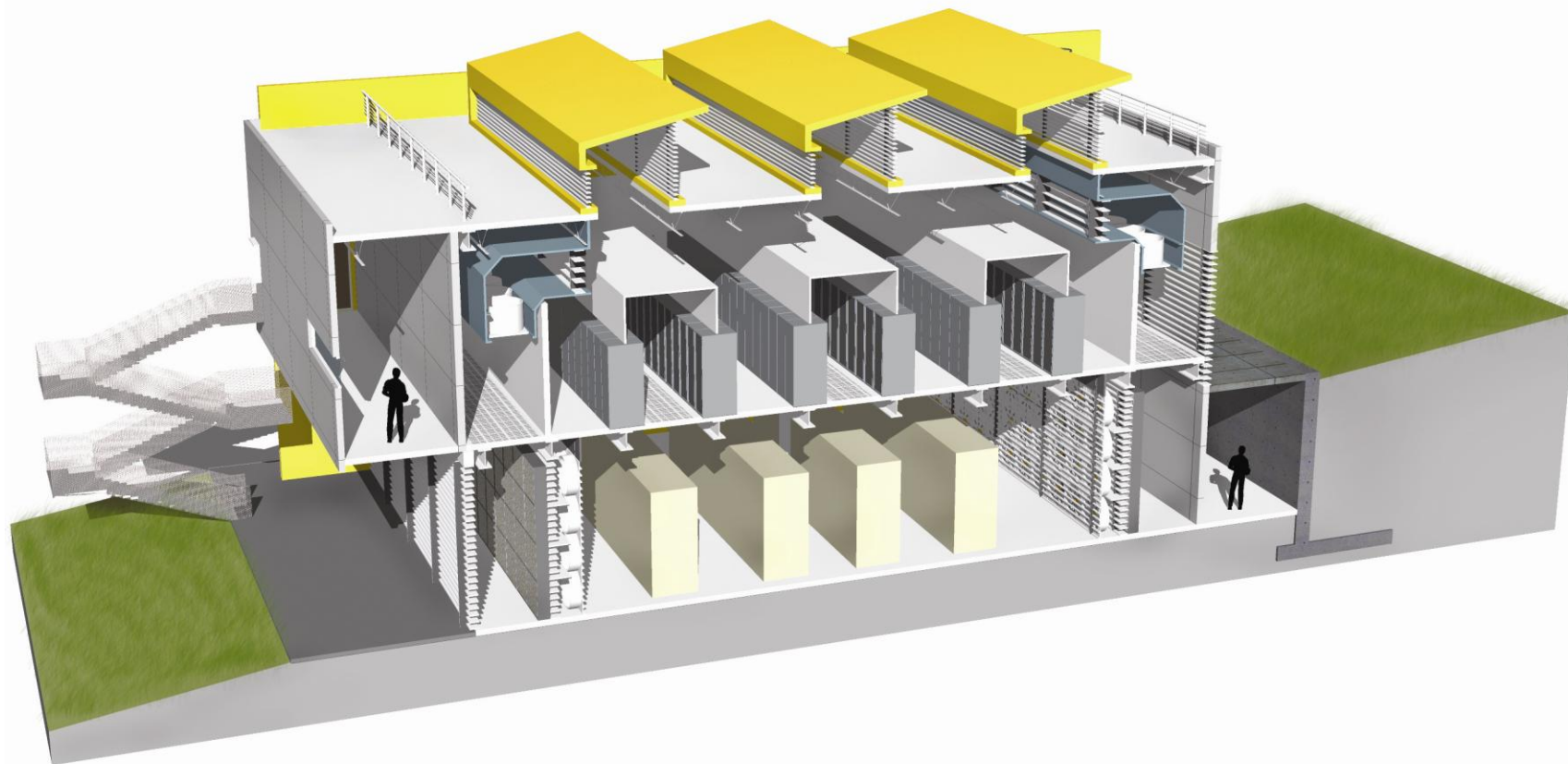


Maximizing the Benefit Integrated Architecture and Engineering



Maximizing the Benefit

Integrated Architecture and Engineering



Maximizing the Benefit

Integrated Architecture and Engineering

