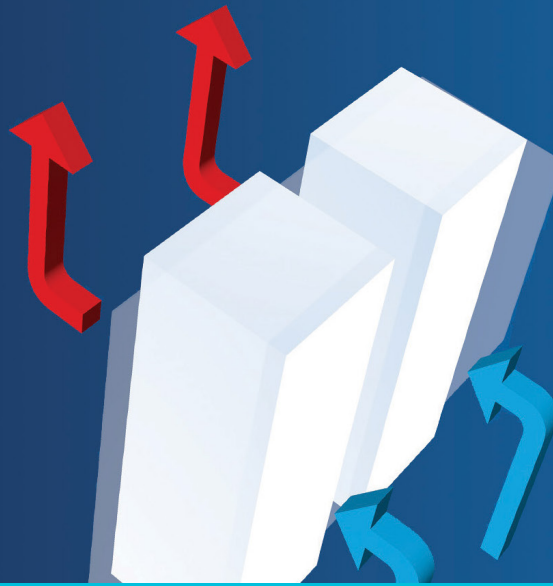


If you are not controlling your airflow, you are losing money.



DATA CENTER THERMAL EFFICIENCY

Uncontrolled leakage, unbalanced pressure and inefficient circulation is potentially occurring today in your data center without your knowledge.

COOLING SYSTEM POWER CONSUMPTION



Source: Data Center Alliance Project

Even though IT equipment comprises 59 percent of data center power consumption, the cooling system and air movement represents almost 32 percent of your total energy costs.

POWER IS EXPENSIVE

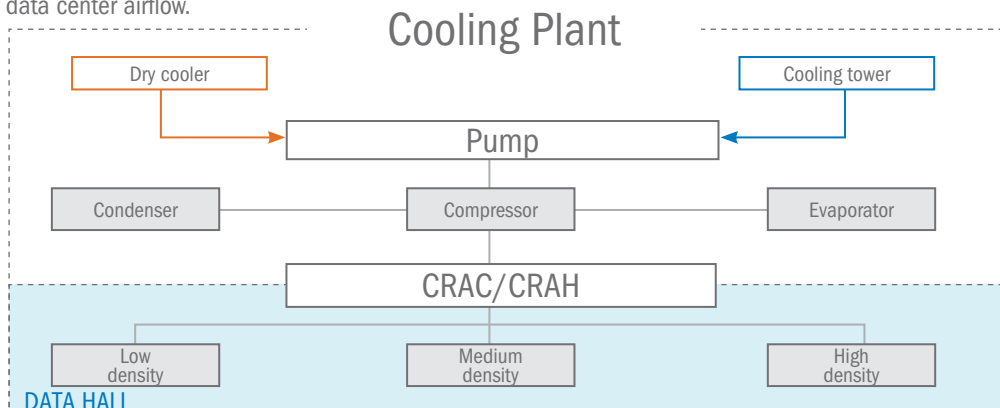
If unchecked, the operational cost of inefficient cooling can scale out of control.

THERMAL EFFICIENCY SAVING EXAMPLE		
200 KW IT LOAD	200 KW IT LOAD	
PUE = 2.5	PUE = 1.5	
ELECTRIC COSTS \$422,232 PER YEAR	ELECTRIC COSTS \$236,520 PER YEAR	ELECTRIC SAVINGS \$185,712 PER YEAR

Source: PUE and DCIE calculator by 42U.

COMMONLY ADOPTED MODEL

At Anixter, we believe the opportunity exists to uncover inefficiencies and take back control of your data center airflow.



WHAT WE HEAR

Challenges from the various data center stakeholders are:



Cabinet densities are **INCREASING**



Operational **BUDGET CUTS** year on year



Lack of **AIRFLOW MANAGEMENT**



Overwhelming **DESIGN** considerations



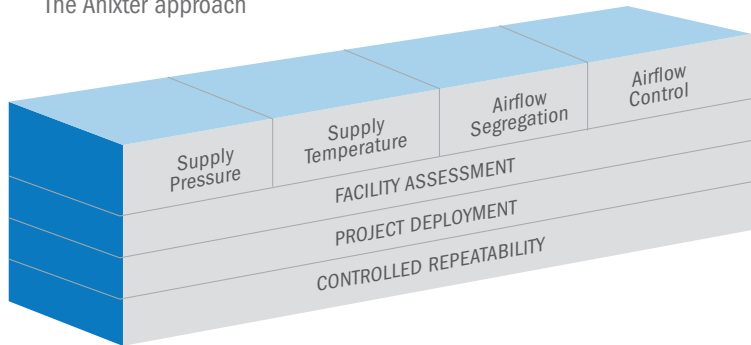
Matching **COOLING** to IT load

Infrastructure as a Platform
by Anixter

Infrastructure as a Platform by Anixter provides an investigative methodology that uncovers gaps in your data center thermal management strategy and helps you reclaim stranded capacity.

CONDITIONAL ENVIRONMENTAL CONTROL

The Anixter approach



Within the critical IT space, we provide data center managers a set of guidelines that address pressure, temperature, segregation and control by using best practices in order to help you maximize thermal efficiency.

- **Supply pressure**
Reduce bypass airflow, providing even cooling of all IT equipment in the cabinet.
- **Supply temperature**
Use allowable ASHRAE temperature guidelines to not over or under cool your equipment, saving money.
- **Airflow segregation**
Segregate airflow to and from the IT load by using techniques based on room design and cabinet power density.
- **Airflow control**
Use data from the cooling system to control EC fans that compensate the IT load in real time.

You can further improve thermal efficiency and enable interoperability by leveraging our expertise in facility assessment, project deployment and controlled repeatability.

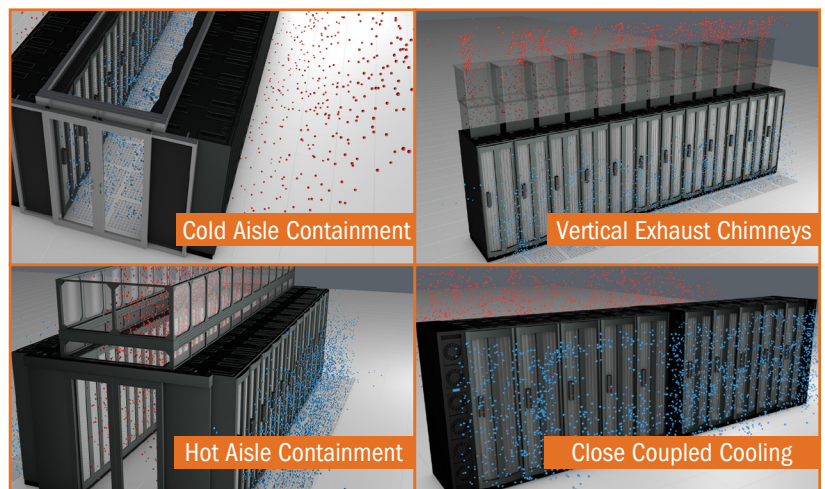
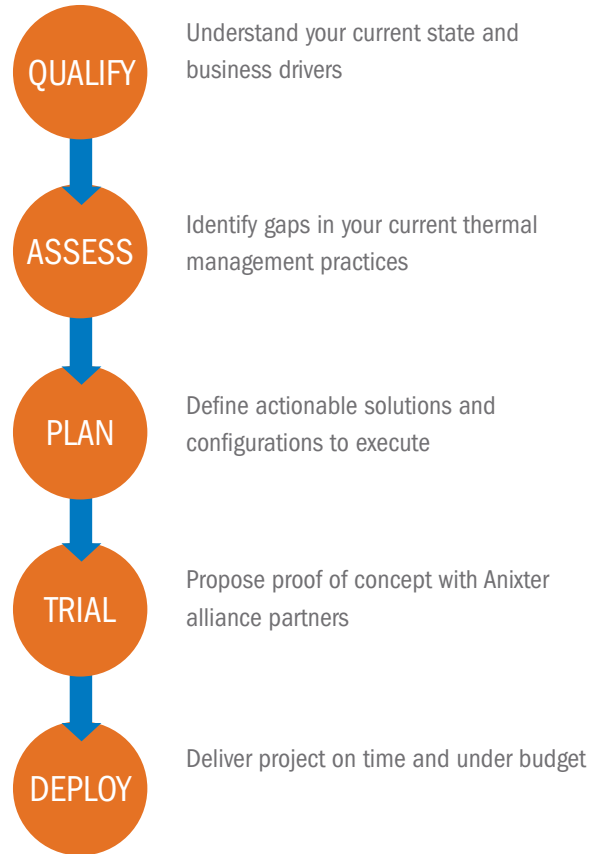
PRODUCT AND DEPLOYMENT SOLUTIONS

With our alliance and integrator partners

- Perforated floor tiles
- Aisle containment solutions
- Close coupled cooling systems
- Temperature, humidity, and airflow pressure sensors
- Blanking panels, floor grommets and other accessories
- Thermal monitoring software

YOUR AIRFLOW CONTROL PLATFORM

Anixter engagement process



FOR MORE INFORMATION VISIT ANIXTER.COM/DATACENTER

For over 30 years, Anixter has been the leading, global, value-added distributor of physical layer communication infrastructure solutions for office, building and campus environments. As experts in large-scale project execution, we are a trusted supplier to leading communication integrator companies and have worked with many Fortune 500 companies.

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