



# Data Center Solutions

EXPERTISE • EXPERIENCE • PROJECT MANAGEMENT

## The Unique Requirements of Data Centers – *Expertise Matters*

Data center construction is experiencing exponential growth due to the increasing demand for digital services, cloud computing, and AI. Building and maintaining these facilities effectively requires a strong partner. Impact Climate Technologies (ICT) leverages its industry expertise and partnerships with innovative manufacturers with multiple production facilities and capacity to recommend, source, and implement optimal solutions.

ICT's forward-thinking approach helps clients address immediate challenges while planning for future needs in their data center environments. Scalability, energy efficiency, reliability, redundancy, and compliance with industry standards are always factored into ICT's solutions.

## Applications – Tailored Solutions for Specific Data Center Environments



### HYPERSCALE DATA CENTERS

Scalable, energy-efficient,  
and cost-effective  
HVAC solutions



Adaptability to the  
specific needs of  
hyperscale operations and  
redundancy measures



### COLOCATION DATA CENTERS

Modular cooling solutions  
with N+1 or N+2 redundancy  
for critical systems



Flexibility and reliability  
through adaptable  
cooling solutions and  
redundancy measures



### IN-HOUSE ENTERPRISE DATA CENTERS

Customized cooling solutions  
offering reliability and  
long-term cost benefits



Effective delivery of  
smaller-scale projects  
on time and within budget

## A Reputation Built on Experience

ICT's experienced teams understand the unique challenges of data center operators, including infrastructure, cooling, scalability, and redundancy requirements.

### WHAT TO EXPECT

- Forward-thinking, innovative solutions backed by experience
- Consistent on-time delivery of systems
- Trusted partnerships with manufacturers and a strong supply chain
- Comprehensive product offerings tailored to client needs
- An engineering team with a proven track record in complex projects

### RESOURCE READY

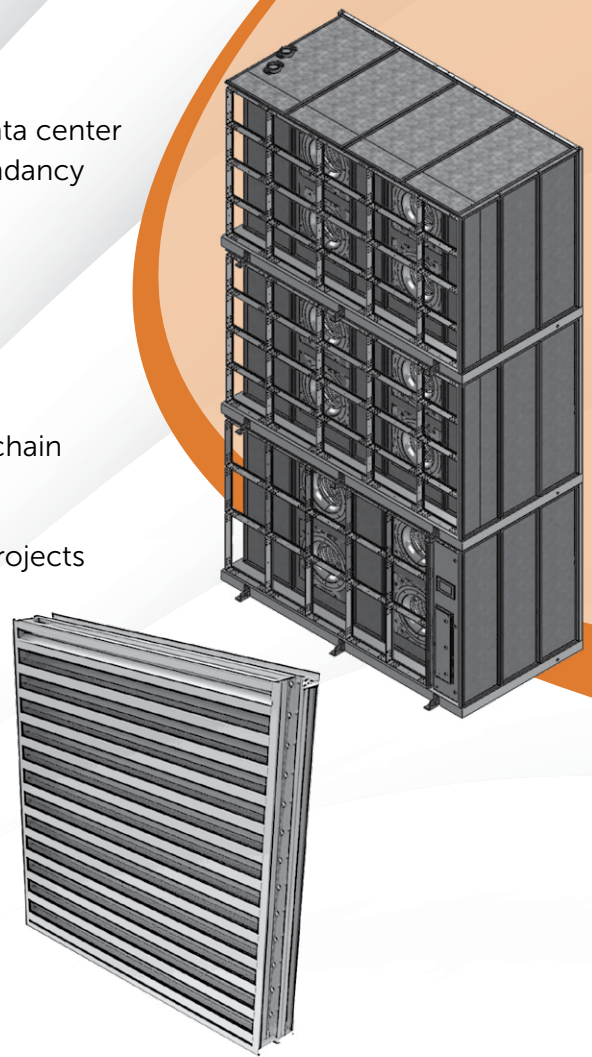
- Multiple manufacturing production facilities to handle any size project
- Factory authorized 24 hr. support
- Factory certified tech support
- US-based parts and service department

## Excellence in Project Management

ICT meticulously manages every aspect of the supply chain to ensure the right products arrive on time, keeping projects on track and within budget.

### EQUIPMENT & SOLUTIONS

- **Computer Room Air Handler (CRAH)**  
Compact, high-cooling-capacity solutions suitable for both new builds and retrofits
- **Cooling Distribution Units (Liquid Cooling)**  
Delivers precise cooling for technical racks through a closed-loop system
- **Fan Wall Units**  
Provides cost-effective redundancy and energy savings by optimizing performance to actual capacity needs
- **Evaporative Cooling System**  
Uses the evaporation of water to provide energy-efficient cooling and regulate interior temperatures
- **Exhaust Fan Systems**  
Removes stale air from a space, aiding in temperature regulation and maintaining air circulation
- **Dampers**  
Controls and regulates airflow within ducts, air handling units (AHUs), or other air-handling systems, ensuring efficient ventilation
- **Louvers**  
Permits controlled airflow into or out of a building, contributing to ventilation while protecting against rain, debris, or other elements
- **Shielding Products**  
Ensures RF protection for various environments without compromising material flow





# impact

CLIMATE  
TECHNOLOGIES

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