



EFFICIENT AND POWERFUL SOLUTIONS

Since 1994, Silent-Aire has been part of the explosive growth of the modern cloud landscape. We have deployed CRAC, CRAHU, and AHU equipment at large scale for the leading cloud computing platforms and for global hyperscale customers.

Our cooling solutions range from small 5,000 CFM to very large 110,000 CFM units and implement smart control algorithms and technologies such as waterside or airside economization.



Vertical CRAHU



Fan Wall AHU

MULTIPLE COOLING OPTIONS:



Free Air



Chilled Water



DX



Direct/Indirect Evaporative

OVERVIEW



Proprietary cooling technology
Customized to site specific needs
Seamless server room integration
Optimized efficiency for low PUE
Superior accessibility & serviceability

Reduced hotspots with our cold air distribution system
System Redundancy/Reliability
Fully packaged for ease of installation
Single point electrical and water connection
Variable Speed Operation
Engineered for multiple regions

POWER



480V/3ph/60Hz
415V/3ph/50Hz
Additional voltages possible
Harmonic Filtering

MONITORING



Silent-Aire innovative cooling control system monitors Temperature and Humidity and is integrated with a smart controller system which manages cooling units for optimum efficiency

COOLING OPTIONS



FreeAir

Cost effective, climate dependent



DX (Direct Expansion)

Widely deployed, multiple climates



Chilled Water

Efficient, ideal for large cooling requirements



Evaporative

Efficient & cost effective, climate dependent

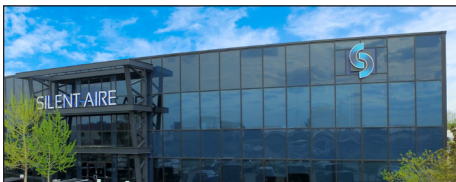
STANDARDS



ETL/UL Certified As Equipment: 3rd Party Verified By Inertek - UL 1995 (USA) CSA 23.2 Section 136 (CDN) ISO 9001, ISO 45001, UL 1995, UL 508A, NEC 70A | Optional government SCIF/high security compliance

SECURE YOUR MISSION ON THE EDGE

Silent-Aire has deployed over 100 Megawatts of Modular Data Centers and Power Rooms worldwide including Hyper-scale, SCIF and Edge MDC solutions and cools over 2 Gigawatts of hyperscale mission critical data centers worldwide.



Global Headquarters | Edmonton, AB



US Head Office | Gilbert, AZ



Europe Head Office | Dublin Ireland