



FLEXIBLE & SCALABLE

Silent-Aire's MDC VAULT Enterprise is an unmatched factory built Modular Data Center solution.

By identifying and engineering three key building blocks; Server Room Module (SRM), Power Room Module (PRM) and Cooling Module (CM), multitudes of data center designs are possible.

MDC Vault Enterprise is a conformable technology, which enables the build of small data centers to very large data centers, whatever the requirement, size, or location of the build.

MDC Vault Enterprise's modules are sized to allow for transportation via conventional trucking and shipping means for delivery globally.

SERVER ROOM (SRM)



40' x 24' x 12' (LxWxH) minimum
 Integrated Hot Aisle Containment
 32 Racks per HAC
 4kW-18kW per Rack

Power distribution to racks
 Fire detection & suppression
 Fire resistant walls & doors
 Security system integration
 PLC Controller with BMS

POWER ROOM (PRM)



48' x 11' x 12' (LxWxH)
 Two Scalable Power Modules
 600kW (100kW-600kW) / PRM
 1,600kW (700kW-1600kW) / PRM

Scalable UPS
 Battery back-up
 Fire detection & suppression
 Fire resistant walls & doors
 Security system integration

SCALABILITY



Combining Server Room and Power Room Modules, an Enterprise MDC is created that incorporates layers of power and server redundancy. Multiple MDCs can be joined to create a Campus environment.

COOLING OPTIONS



FreeAir

Chilled Water

Direct Expansion

Evaporative

Liquid Cooling

STANDARDS



ETL/UL Certified Equipment: 3rd Party Verified By Intertek - UI 1995 (USA)
 CSA 22.2 Section 136 (CDN) ISO 9001, ISO 45001, UL 2775, UL 508A
 Optional government SCIF/high security compliance