RELIABLE & UNINTERRUPTED POWER

Silent-Aire's Power Room Modules provide a standardised power solution, which is straightforwardly integrated into any data center (traditional or modular). Our PRMs are designed to replace traditional power rooms, with a factory built and tested product, which greatly improves the speed and reliability of installing a power solution on site.

Our PRMs can be equipped with modular or monolithic UPSs. Battery cabinets are installed in a fire-resistant room separated from the UPS and Switchgear.

Our PRMs are equipped with fire-detection, fire-suppression, Silent-Aire cooling, and a control system with BMS integration (BACNet Native). Site Security systems such as CCTV and Access Control can also be integrated to our PRM.

Silent-Aire PRMs provide flexible power capacities, which can be installed to provide multiple redundancy schemes.

- Flexible and scalable Power
- Efficient Cooling solutions
- Multiple redundancy schemes
- Improves speed and reliability

UPS installed

LV Switchgear

POWER ROOM MODULE

SILENT-AIRE®

OVERVIEW

Power Room Modules are equipped with UPS, Battery backup, Switchgear and security systems. Silent-Aire's Power Room Modules consist of a Main room, Battery room and Condenser porch. The UPS, Switchgear and control systems are located in the Main room. The Battery room is separated from the Main room by a fire resistant wall.

48' x 12' x 12' footprint

POWER

Solution 1: Scalable up to 700 kW
Solution 2: Scalable up to 1,600 kW
Battery backup of 5mins

MONITORING

PLC controller (BACNet Native);
Measures and reports on temperature, cooling systems, power systems and fire systems.
CCTV integration with site monitoring

COOLING OPTIONS

FreeAir
Cost effective, climate dependent

Chilled Water
Efficient, ideal for large cooling requirements

DX (Direct Expansion)
Widely deployed, multiple climates

Evaporative
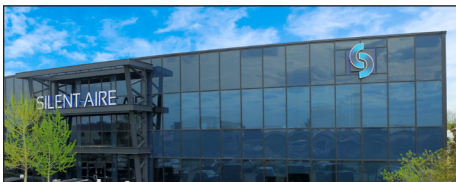Efficient & cost effective, climate dependent

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