

Data Center Complex Security

Our data center complex is located within our corporate headquarters in Columbia, S.C.



Steel and concrete bollards surround the entire data center complex ensuring vehicles cannot intentionally or accidentally penetrate the building perimeter.

Closed-circuit television cameras are located throughout the complex. Security officers monitor the cameras and camera display at all times from multiple locations.



Automated environmental systems monitor all support equipment and the environment within the entire data center complex around the clock. This includes air conditioning, water leakage, temperature, humidity, fire suppression system, power distribution units, and uninterruptible power supply (UPS) and diesel generators. Additionally, we use ECARO and FM200 gas fire-protection systems.

Purafil air filtration systems protect the data center complex in the event chemical or biological agents are present. The special filtration technologies provide protection against chemical and biological attacks including anthrax, bacteria, viruses, mustard gas, arsine and radioactive gases. Environmental controls include redundant power supply, fire suppression, water detection and temperature controls.

Both ID and biometric authentication access control admission to all data center entrances – a two-factor authentication protocol. The access control system automatically records all access to the data center complex. A sally port, a computerized door access system, protected with blast resistant laminate, protects each main entrance. All data center visitors require escort by an employee with authorized data center access. Contractors and maintenance personnel receive access via preplanned appointments and identification checks.

The data center complex also houses a UPS system. Two separate power feeds from two different power substations, on different grids, power the main data center. These multiple power sources are backed up by two fully redundant 1,000 kVA UPS systems. There are 240 batteries that support each UPS. Each UPS is capable of supplying one hour of power to the data center if all other power sources failed. In the unlikely event of total failure, further backup is supplied by a 2,000 kilowatt diesel generator that comes online within 30 seconds, ensuring two power sources are active at all times.

Effective data center security involves administrative, technical and physical safeguards. CDS' multi-layered approach to security guarantees our ability to meet and exceed your expectations.