

ATLANTA - METRO

With 970,000 square feet of total space, the QTS Atlanta-Metro Data Center is one of the largest data centers in the world. This massive facility features its own on-site Georgia Power substation and direct fiber access to a wide variety of carrier alternatives. QTS recently completed and achieved the Leadership in Energy and Environmental Design (LEED) Gold Certification for Phase II of the facility.



BUILDING SPECIFICATIONS

- 970,000 sq. ft. total enclosed space
- 531,000 sq. ft. data center footprint
- 358,000 sq. ft. of 48" raised floor
- Customer office and conference space also on-site
- Construction type: concrete & brick structure with reinforced steel
- Dual reinforced roof: 85 MPH wind rating

POWER

- A total of 120MVA of utility power is delivered to facility by Georgia Power
- Electrical redundancy is achieved via two (2) feeds from separate substations that power three (3) on-site 40MVA transformers
- Forty (40) generators support nineteen (19) independent UPS systems
- All power cabling below floors is installed in either conduit or sealtight flexible conduit with approved connectors to all equipment

ENVIRONMENTAL CONTROL

- Over six-hundred (600) CRAC units, (30-ton and 70-ton), provide air flow to raised floor space
- Leak detection under all raised floor
- Supported by 24x7x365 computer monitoring and facility engineers on-site

SHIPPING AND RECEIVING

- Secured shipping and receiving area designated for customer owned equipment
- Large truck (18 wheeler) docks and small truck docks available

QUICK FACTS

- 970,000 sq. ft. data center complete with diverse fed utilities, redundant power systems and advanced redundant communications network
- Facility is monitored and patrolled 24x7x365 and has a manned entry gate, secure fence around the perimeter and multiple layers of access control



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SECURITY

- All building entrances require key card access; data center floor and secured areas require card key and two-factor biometric authentication
- Security fence surrounds perimeter of property; single site entrance with security gate and guard house; security guards on-site 24x7x365; active patrol both inside and outside facility
- Closed circuit video with 140 cameras cover inside and exterior of building, property perimeter, all entrances, alternate workspace, and data center floor; roof of the building is monitored with CCTV and motion detectors

CONNECTIVITY

- Carrier-neutral facility providing access to multiple providers for local, fiber and Internet connectivity; available carriers include:

- AT&T	- Georgia Public Web	- TeliaSonera
- CenturyLink	- Internap	- TW Telecom
- Cogent	- Level 3	- Verizon Business
- Comcast	- One Ring	- XO Communications
- Fiberlight	- Sprint	- Zayo Group
- FPL Fibernet		
- Diverse entrances into building including multiple central office redundancy
- QTS Metro Connect Service offers additional connectivity to providers in 56 Marietta (Carrier Hotel)
- Fiber connectivity to QTS Suwanee Data Center for business continuity
- Internal cabling, copper, coax or fiber access, to carrier

FIRE DETECTION AND PROTECTION

- VESDA (Very Early Smoke Detection Apparatus) throughout data center
- Multi-stage protection via pre-action dry pipe system that requires alerts from two sensors
- Smoke sensors above and below raised floor

FACILITY MONITORING AND MANAGEMENT

- Mechanical and electrical facility engineers on-site and automated alerts delivered by email and phone
- Critical power system controlled by an automated management system, which controls all switching
- Air temperature, humidity, fire detection, and water pressure all managed by an automated control system

BENEFITS

- Delivers industry-leading power and cooling density as well as a robust network and world-class managed services
- Ample expansion options in a stable and secure environment
- Manned and monitored 24x7x365 by experienced QTS engineers

