

Ashburn VA5 Data Center

Ashburn, Virginia is the top data center market in the world, containing one of the largest fiber carrier densities around. VA5 is the **fifth of nine data centers** on our 224MW campus, offering data center solutions from cabinets to build-to-suit facilities for deployments of all sizes.

Data center space

- 140,000 sq. ft. data floor space
- Four 8MW vaults
- Two-story building
- Class A office space available

Power

- Total critical IT load: 32MW
- N+1 redundancy for each vault
- Five (5) x 2MW UPS modules for every 8MW capacity
- Dual-corded power distribution
- Diverse power distribution to the data vault (A and B feeds)
- 24-hour fuel storage capacity
- Power densities available up to 22kW per rack
- Renewable energy options available

Cooling

- Air-cooled chillers with airside economizers
- Fan coil wall cooling design with hot aisle containment and N+1 redundancy in the vault
- Dedicated modular chiller plant designed with a closed loop water cooling system for additional efficiency

Fire protection

- Dual interlocked nitrogen filled preaction dry pipe fire suppression system
- Aspiration Smoke Detection (ASD) system enabling fast detection, response and mitigation

Security

- 24x7x365 Security and Operations team
- Fenced campus with centralized, electronic access control system
- 100+ real-time security feeds using pattern-based technology
- Multi-factor authentication throughout the facility
- Secure managed delivery and loading area 24x7x365

Connectivity

- Carrier-neutral
- Three diverse fiber entry points
- Two Meet-Me-Rooms
- Network dense with access to many global and regional carriers and ISPs offering dark and lit services
- Access to multiple leading public, private, and hybrid cloud providers



Additional data center services

- Remote hands and eyes
- Fit-out and deployment
- Class A office space
- Dedicated long-term storage

Certifications and compliance

Compliance

- SOC1 and SOC2 Type II
- ISO 27001
- ISO 50001 Energy Management
- PCI DSS
- NIST 800-53 High
- HIPAA

Sustainability

- Designed to LEED Gold Standards
- EPA ENERGY STAR

Data center products

- Cabinets
- Customizable cages
- Private suites
- Dedicated vaults
- Build to suit

Ashburn campus highlights



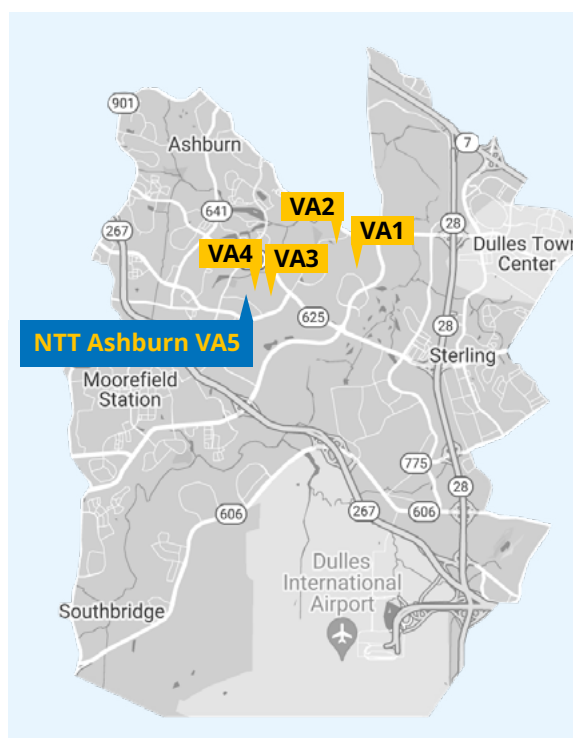
Design: NTT Ashburn features five data centers, with four more planned, over two campus locations. At full build-out the campus will offer 224MW of critical IT load and 970,000 sq. ft. of data floor space.



Security: The campus utilizes the Avigilon H4 Fisheye Camera line that offers a high-resolution, 360-degree view of the data center and provides real-time alerts to our in-house security team using pattern-based technology.



Client amenities: Our Ashburn data centers offer several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.



Locations in Ashburn

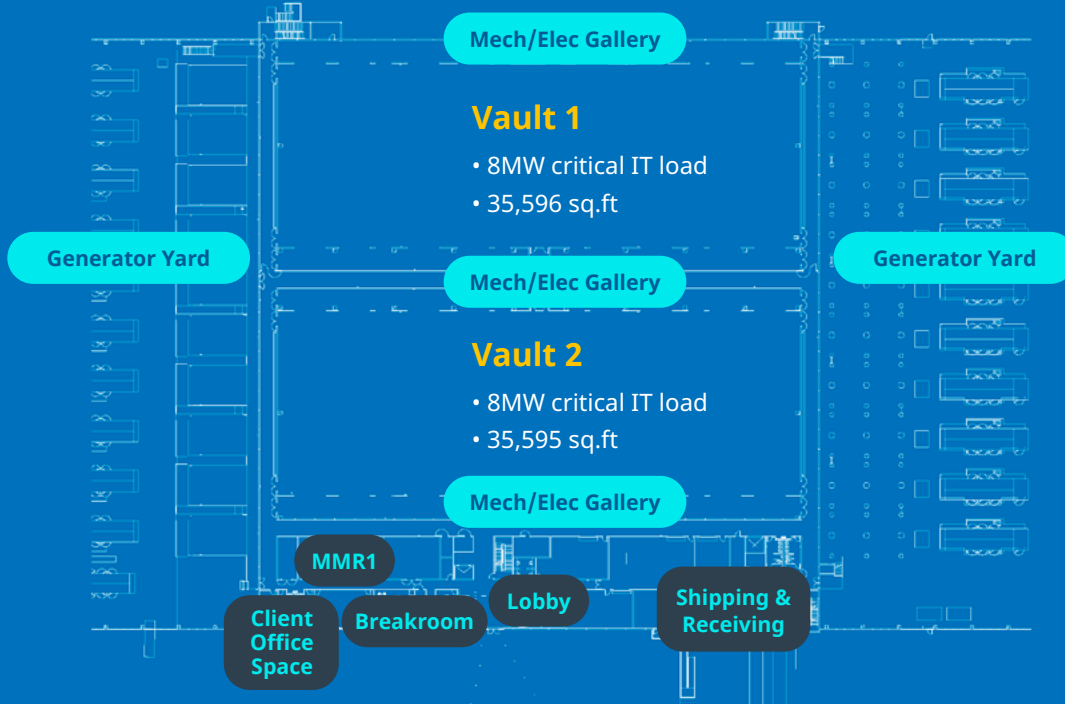
Address and contact

Ashburn VA5 Data Center
NTT Global Data Centers Americas,
21583 Megawatt Dr. Ashburn,
VA 20147 United States

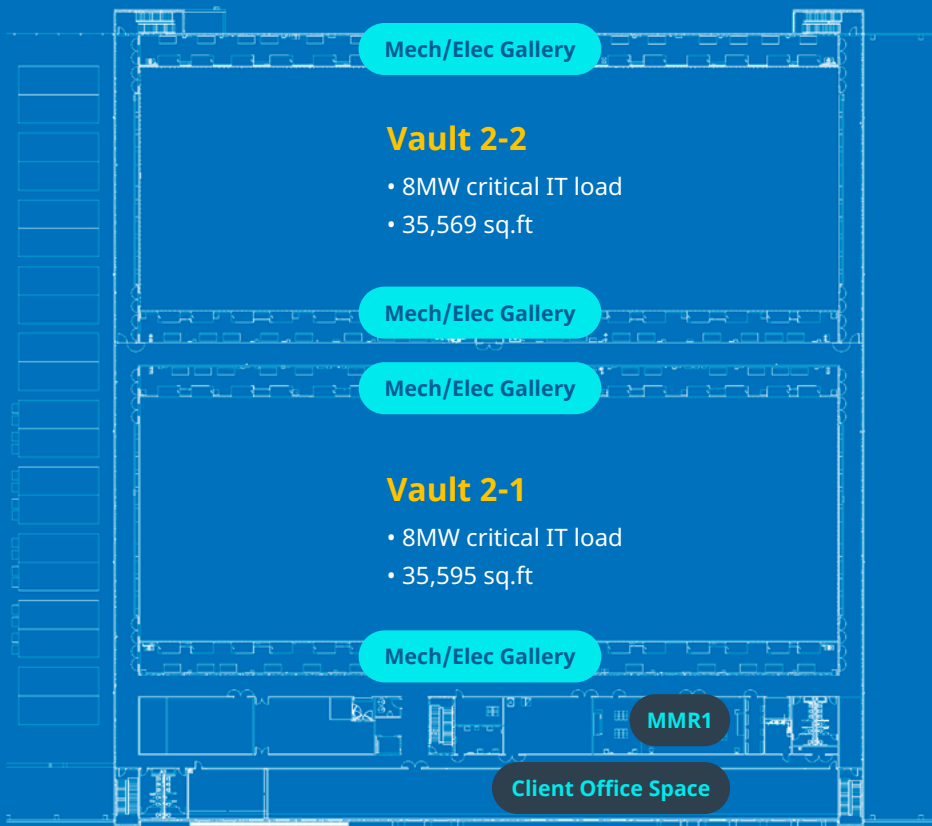
T: 916-286-3000

Ashburn VA5 Layout

Floor 1



Floor 2



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