UNITED STATES

Ashburn VA3 Data Center

Ashburn, Virginia is the top data center market in the world, containing one of the largest fiber carrier densities around. VA3 is the **third of nine planned 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

- 112,000 sq. ft. data floor space
- 2MW or larger vaults
- Two-story building
- Class A office space available

Power

- Total critical IT load: 16MW
- 34.5kV electrical distribution
- N+2 distributed redundancy with 9 to make 8 design
- Eighteen (18) x 1MW UPS modules for every 8MW capacity
- Dual-corded power distribution
- Generators with on-site fuel storage to support 24 hours run time at full load with 24x7x365 fuel delivery
- Diverse power distribution to data hall (A and B feeds)
- Power densities available up to 22kW per rack
- Renewable energy options available

Cooling

- Waterless cooling using pumped refrigerant economizers and condensers
- Raised floor environment
- N+2 redundancy

Fire protection

- Aspirating smoke detection (ASD) system enabling fast detection and mitigation
- Dual interlocked nitrogen filled pre-action dry pipe fire suppression system

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
- Multiple Tier-1 carriers on-site, including Cogent, Comcast, FiberLight, Level 3, Verizon Virginia, and Zayo
- Direct connectivity to major cloud providers, applications providers and enterprise ecosystem

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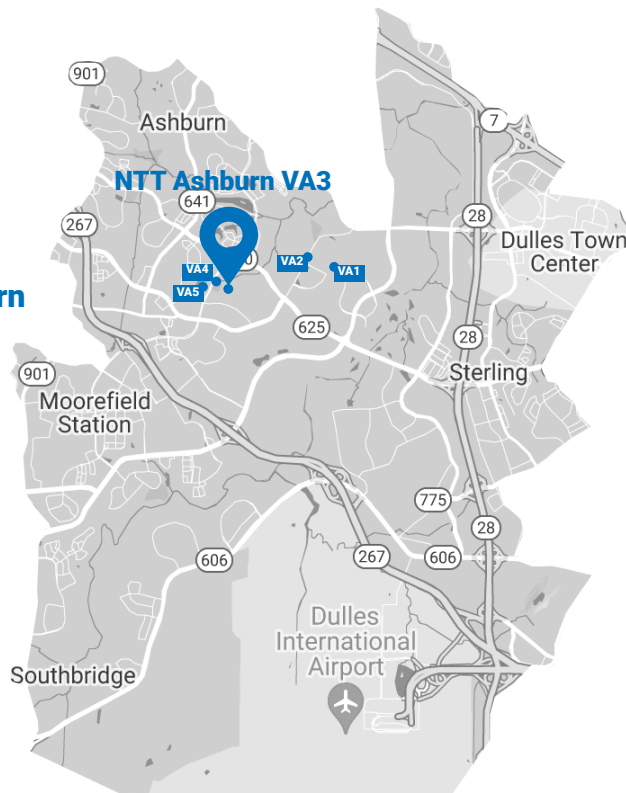- PCI DSS
- NIST 800-53 HIGH
- HIPAA

Sustainability

- Designed to LEED Gold Standards
- EPA ENERGY STAR

Data center products

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

Locations in Ashburn

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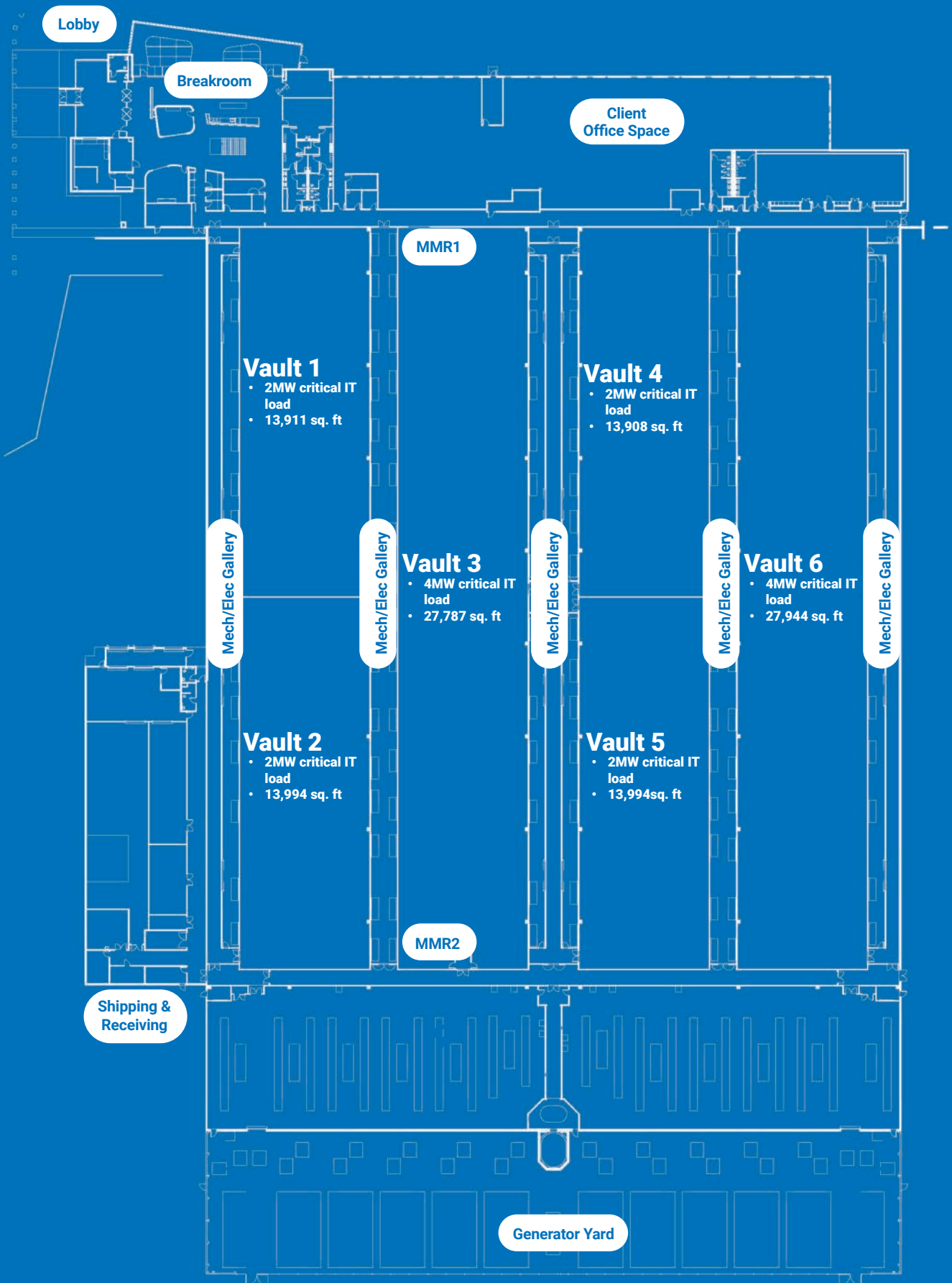
Client amenities: Our Ashburn data centers offer several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.

Address and contact

Ashburn VA3 Data Center
NTT Global Data Centers Americas
44245 Gigabit Plaza
Ashburn, VA 20147
United States

T: +1 916-286-3000

Lobby

Breakroom

Client Office Space

MMR1

Vault 1
- **2MW critical IT load**
- **13,911 sq. ft**

Vault 4
- **2MW critical IT load**
- **13,908 sq. ft**

Mech/Elec Gallery

Mech/Elec Gallery

Mech/Elec Gallery

Mech/Elec Gallery

Mech/Elec Gallery

Vault 3
- **4MW critical IT load**
- **27,787 sq. ft**

Vault 6
- **4MW critical IT load**
- **27,944 sq. ft**

Vault 2
- **2MW critical IT load**
- **13,994 sq. ft**

Vault 5
- **2MW critical IT load**
- **13,994sq. ft**

MMR2

Shipping & Receiving

Generator Yard