

# Ashburn VA1 Data Center



Ashburn, Virginia is the top data center market in the world, containing one of the largest fiber carrier densities around. VA1 is the **first of nine planned data centers** on our 224MW campus, offering data center solutions from cabinets to build-to-suit options for deployments of all sizes.

## Data center space

- 64,723 sq. ft. data floor space
- 3.6MW, (3) 2.1MW, and 2.7MW vaults
- One-story building
- Class A office space available

## Power

- Total critical IT load: 12.6MW
- 34.5kV electrical distribution
- N+2 distributed redundancy for each vault
- 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

- Centralized industrial chiller plant
- Airside and waterside economization
- Raised floor environment
- N+2 redundancy

## Fire protection

- Photo-electronic early warning spread laser smoke detection
- Dual interlocked nitrogen filled preaction 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 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



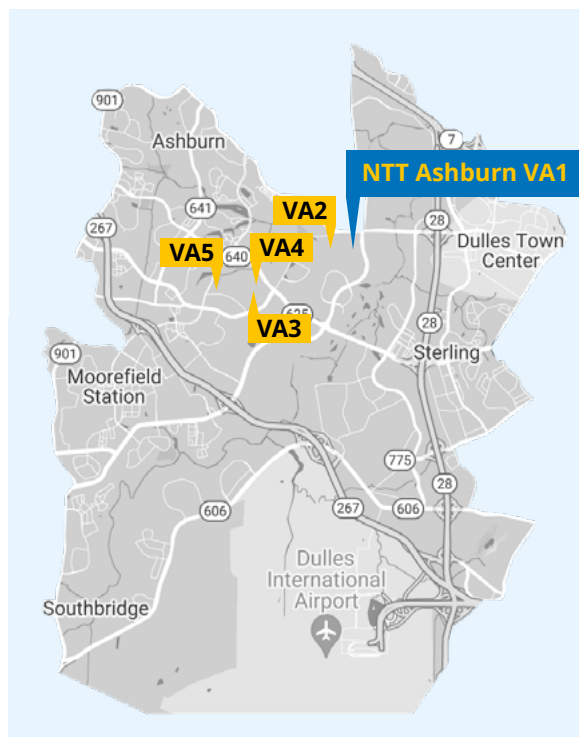
**Design:** NTT Ashburn features five data centers, with four more planned, over two campus locations. At full build-out the campus will offer 224MW of critical IT load and 970,000 sq. ft. of data floor space.



**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.



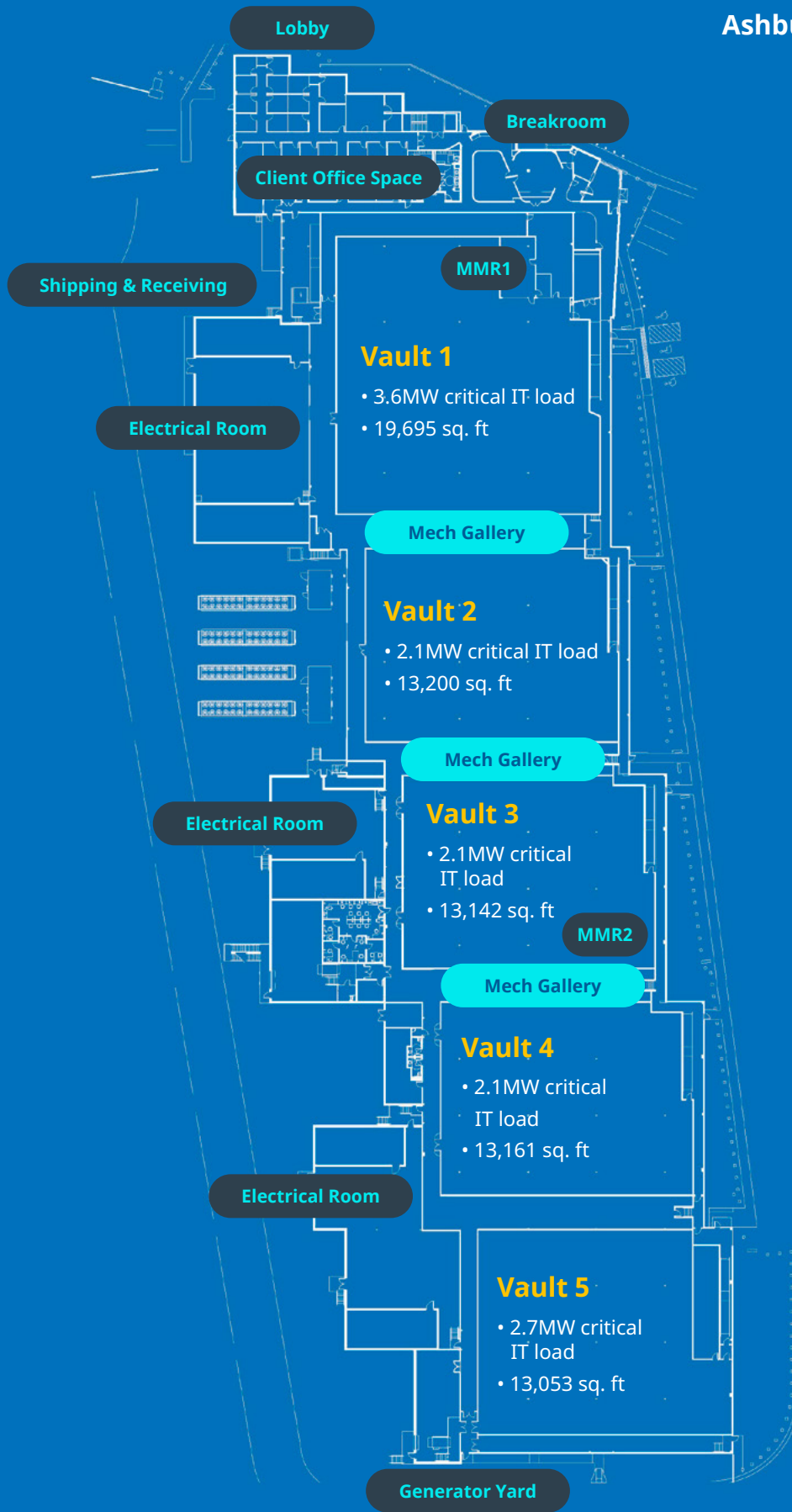
## Locations in Ashburn

### Address and contact

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# Ashburn VA1 Layout



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