

Ashburn, VA Data Center

21890 Uunet Drive
Ashburn, VA 20147
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Overview

Ashburn has become home to the largest data centers in North America. There are many reasons for this, including numerous dense fiber rings, open spaces for construction, low-cost power and substantial tax incentives. Ashburn has a low disaster event rating and is ideally located on the eastern coast. With its mature infrastructure and highly educated talent pool, several airports, copious hotels and a business-friendly environment, Aligned Energy is proud to have a presence in Ashburn, VA.

26



BUILDING ACRES

777,755



SQUARE FEET

180



MEGAWATTS

Building Specifications

- Completion in 2019
- Campus is 26 acres
- Building 1: 120 MW/ 409,000 sq. ft.
- Building 2: 60 MW/ 368,755 sq. ft.
- Private, dedicated data center suites
- Concrete slab-on-grade and structured steel
- Two interconnected multi-tenant buildings
- ASCE 7 occupancy category IV. data hall FM-120 and office FM-90 roof lift ratings
- Wind importance factor of 1.15
- Two bays with delivery platform and equipment trap
- Dedicated office space for rent
- Shared conference rooms and drop-in office pods
- 24x7x365 accessibility
- Industry-leading 1.15 PUE

Building Specifications

NETWORK

Ashburn, the most connected market on the planet, is home to the world's densest fiber network, and the new Aligned Ashburn sits positioned atop fiber and conduit routes that offer access to more than 50 carriers in the immediate area. Aligned's building is less than 800 feet from the original UUNET-managed MAE East Exchange, the first Internet Exchange Point, and less than a mile from a global internet exchange that is the current center of connectivity in Northern Virginia.

- Two diverse points of entry, per build
- Carrier-neutral
 - On-net Carriers
 - SummitIG
 - Verizon (VCT & VCB)
 - Zayo
 - Century Link (Level 3) Coming soon
 - Cogent Coming soon
 - Comcast Business Coming soon
 - Crown Castle Coming soon
 - FiberLight Coming soon
 - Near-net Carriers
 - AquaComms
 - BT
 - Colt
 - Deutsche Telecom
 - GTT
 - Hurricane Electric
 - NTT
 - PCCW
 - Tennebris Fiber
 - TeliaSonera
 - Tata
 - Major exchanges in NoVA market
- And many more
- Less than one mile from 21715 Filigree Court Carrier Hotel
- Major fiber thoroughfares within ~100 feet of facility
- Seamless build process for carriers not already built in
- Diverse meet-me-rooms and fiber entrances with dark fiber and lit services available

POWER

- Diverse and dedicated substations: expandable to 240MW
- Concurrently maintainable UPS
- N+2 power generation
- Redundant A+B distribution
- Revenue-grade metering

SECURITY

- 8' Impasse steel security fencing with laser intrusion detection
- Five-layer security design
- Card reader access
- 24x7x365 on-site security guards
- Multiple checkpoints: mantraps, dual authentication (biometrics and RFID badge readers)
- Event-driven IP video surveillance and visual light-based alerts

CORPORATE SUSTAINABILITY

- Uses up to 85% less water
- Uses up to 80% less power
- 100% renewable energy available
- Industry-leading PUE, WUE, and CUE
- Reclaimed water for mechanical plant

FIRE PROTECTION

- Separately zoned data halls
- Very Early Smoke Detection Apparatus (VESDA)
- Dual interlock pre-action system

COOLING

- Our hot aisle containment strategy absorbs heat at its source - supporting standard and high power densities and allowing you to scale vertically and horizontally - without stranding capacity.
- Configurable to client needs (i.e., N, N+1, 2N)

COMPLIANCE

- System and Organization Control (SOC) 2 Type 2 and SOC 1 Type 2, PCI DSS, HIPAA, HITECH, FISMA / NIST 800-53, and ISO 27001:2013



ABOUT ALIGNED ENERGY

Aligned Energy is an infrastructure technology company that offers adaptable colocation and build-to-scale solutions to cloud, enterprise, and managed service providers. Our intelligent infrastructure allows densification and vertical growth within the same footprint, enabling customers to scale up without disruption, all while maintaining industry-leading Power Usage Effectiveness (PUE). By reducing the energy, water and space needed to operate, our data center solutions, combined with our patented cooling technology, offer businesses a competitive advantage by improving reliability and their bottom line. For more information, visit www.alignedenergy.com and connect with us on Twitter, LinkedIn and Facebook.