

BLUE RIDGE DATA CENTER

1175 N Main Street, Harrisonburg, Virginia 22802



Strategically located in Harrisonburg, VA, the Blue Ridge Data Center (BRDC) is 106 miles from the Nation's Capital.

Managed by Carpathia Hosting - a leader in enterprise managed hosting services - the Facility has one of the lowest electrical utility rates in the country, and is one of the most technologically advanced data center projects in the US. The Blue Ridge Data Center was engineered to meet or exceed the Uptime Institutes Tier III Data Center classifications as a secure data processing and management host facility. The flexible design and enhanced power and cooling capacity offers a state-of-the-art facility that meets the demands of customers with the strictest security requirements. The Facility is supported by a dual-fed 69,000 volt utility service feeding on-site redundant transformers, and delivers a 100% Service Level Agreement (SLA). Additionally, the Data Center has the least expensive electric rate in the state of Virginia, and is not subject to any electrical consumption limitations that have been occurring in Northern Virginia.

ELECTRICAL INFRASTRUCTURE

- ◆ 100% Service Level Agreement (SLA) on electrical system
- ◆ Dual 20MW electrical transformers located on building property, serviced by power from two separate substations
- ◆ 40 Megawatts of upgradable critical power is currently available on-site and fully dedicated
- ◆ Initial engineering supports 150 watts per square foot for critical IT loads with the ability to reconfigure for up to 300 watts per square foot in the future
- ◆ 12 sets of 2.5 megawatt Caterpillar generators in a N+1 configuration
- ◆ Dual fed (A+B) Power Distribution Units in a N+1 configuration 750 kVA UPS systems offering both high and low power density solutions

SECURITY

- ◆ 100 foot setbacks
- ◆ Outside 50-mile nuclear risk zone of Washington, D.C.
- ◆ Outside 50-mile risk zone of nuclear power plants

KEYS TO SUCCESS

- Location
- Infrastructure/Facilities
- Security
- Dedicated, On-site Power
- Configurable Power
- Bandwidth
- Key Certifications
- Value per Square Foot

- ◆ Located away from flight paths from commercial airports
- ◆ Outside 500-year flood plain
- ◆ Located in a buffered zone between the Shenandoah and Blue Ridge mountains
- ◆ Minimal risk of natural disaster and no recorded history of seismic activity
- ◆ On-site security guards trained for Anti-Terrorism.
- ◆ No vehicular traffic in the vicinity of facility
- ◆ Primary entrance processing point more than 100 ft. from facility
- ◆ Perimeter security fencing
- ◆ Interior and exterior video-monitoring with intrusion detection systems
- ◆ Electronic passage technology

CONNECTIVITY

- ◆ Extended D-MARC from the Main Point of Entry (MPOE) to accommodate cross connections in two meet-me rooms
- ◆ Multiple fiber optic access at the facility, including dark fiber
- ◆ Carpathia's Intelligently Routing Network™ (CIRN™) includes the following carriers - Savvis, Level(3), Global Crossing, and Qwest
- ◆ The project is situated on 13 acres of land adjacent to the Harrisonburg Technology Park where many national technology firms are locating their operations.

FACILITY INFRASTRUCTURE

- ◆ Designed to meet or exceed Uptime Institute Tier III Classification
- ◆ Potential for nearly 100,000 square feet of rentable raised floor space in accordance with EIA/TIA
- ◆ Scalable and customizable options for single or multiple tenant divisions
- ◆ Reserved area for tenants with SCIF requirements
- ◆ State-of-the-art fire detection and suppression systems enhanced with the latest advancements in pre-action water technology
- ◆ 1 story with mezzanine level for UPS and sub-basement for additional equipment
- ◆ Freight elevator
- ◆ 20' ceilings in mission critical areas
- ◆ Column width 40' on center in mission critical areas
- ◆ Floor capacity exceeds 500 pounds per square foot
- ◆ 2 dedicated loading dock bays that will accommodate small to large size delivery trucks
- ◆ Lightning and TVSS protection systems
- ◆ On-site disaster recovery office space
- ◆ On-site fuel storage for 72 hours of run time

MECHANICAL INFRASTRUCTURE

- ◆ Critical load cooling systems can be served by redundant chilled water plant to accommodate over 120 watts per square foot in either a 2N or up to N+3 configuration based on customer requirements
- ◆ Design supports individual direct expansion (DX) units for each individual tenant in up to a N+3 configuration.
- ◆ Mechanical system observed by building monitoring system to assure maximum visibility and availability of critical operations 24/7

HIGHLIGHTS

Blue Ridge Data Center offers many advantages when compared to alternate locations, including:

- 10,000 square feet currently available with expansion potential for nearly 100,000 square feet of raised floor
- One of the lowest electrical utility rates in the country, and the least expensive in Virginia
- Outside Nuclear Risk Zone of Washington, D.C.
- Minimal risk of natural disaster and no recorded history of seismic activity
- Close proximity to technology companies, universities and support resources
- Built by Total Site Solutions, an industry leader in mission-critical project development

Carpathia Hosting is a leading provider of managed hosting services, delivering secure, reliable and compliant IT infrastructure and management for some of the world's most demanding enterprises and federal agencies. Founded in 2003, Carpathia is a growing, profitable business run by a seasoned management team with deep experience in delivering enterprise hosting solutions including colocation, managed services and cloud computing. Carpathia's suite of services is designed for organizations seeking scalable, secure, robust and enterprise-grade hosting solutions that can be quickly provisioned or tailored to meet unique requirements. Backed by its E3 Promise, Carpathia consistently delivers an experience that exceeds customers' expectations. Carpathia qualifies as a small business. Contact Carpathia at 1.888.200.9494, or visit www.carpathia.com for more information. References to other products are made to show compatibility. All companies and/or products mentioned in this document are registered or trademarked by their respective organizations. The inclusion of third party products does not infer endorsement by these parties, unless otherwise noted.