

LIGHTEDGE KANSAS CITY DATA CENTERS

THE LEADER IN COMPLIANT CLOUD AND COLOCATION

LightEdge's Kansas City, MO data center is a state-of-the-art, Tier III grade, underground facility located within SubTropolis Technology Center (STC). SubTropolis is owned and operated by Hunt Midwest, a privately held company owned by the Lamar Hunt family with a close relationship to our owner, The Anschutz Company. This partnership means strong financial backing and a tremendous investment in innovation.

SubTropolis Technology Center lies 125 feet underground in a solid limestone mine 6x stronger than concrete. It's naturally hardened for disaster protection, is EMP safe, and has a perfect Energy Star rating due to its constant temperature and humidity control. STC is built to accommodate 400,000 sq. ft. of contiguous expansion; all of which, can be configured for private rack, cage, customized private suites, of high density "pre-fabricated" container suites.

ABOUT LIGHTEDGE

With over 20 years in business, LightEdge offers a full stack of best-in-class IT services to provide flexibility, security, and control for any stage of a customer's technology roadmap.

Our solutions include premier colocation across seven purpose-built data centers, industry-leading private Infrastructure as a Service (IaaS) and cloud platforms, and the top global security and compliance measures. Our owned and operated facilities, integrated disaster recovery solutions, and premium cloud choices make up a true Hybrid Solution Center.



UP FOR CHANGE. NOT UP AGAINST IT.

When you join with LightEdge, every challenge you face in the digital realm becomes more than a mere problem to solve (although we're really good at that, too). Because we embrace a truth others don't: Change is inevitable, but it's the gateway to more opportunities than you ever thought possible. And eventually, you stop seeing digital transformation as a wave crashing down. It's what you ride to bigger and better things.

FULLY REDUNDANT CRITICAL SYSTEMS

- ▲ Redundant isolated path power architecture
- ▲ S+1 power from the substation to the rack
- ▲ Always-on double conversion UPS systems
- ▲ Minimum N+1 redundancy on HVAC infrastructure
- ▲ Advanced airflow delivery and containment
- ▲ Redundant diesel generators
- ▲ Dual-interlock, dry-pipe, pre-action fire suppression

HIGH-PERFORMANCE CONNECTIVITY

- ▲ Full mesh network architecture for 100% uptime
- ▲ Carrier neutral
- ▲ Dynamic, performance-optimized best path routing
- ▲ Private high-speed connection between all LightEdge facilities



COLOCATION FACILITY LOCATIONS

- ▲ Des Moines I & II
- ▲ Lenexa
- ▲ Omaha
- ▲ Kansas City
- ▲ Phoenix
- ▲ Los Angeles
- ▲ Austin I & II
- ▲ San Diego
- ▲ Raleigh

LIGHTEDGE



PHYSICAL LOCATION

- ▲ Convenient access to I-435, I-70, I-35 & I-29
- ▲ Close proximity to KCI Airport
- ▲ Focal point for long-haul & transcontinental fiber
- ▲ KCP&L electrical grid on-site
- ▲ Centrally located in US
- ▲ Ideal for locality & geo-diversity
- ▲ Zero hurricane hazard
- ▲ Protected against tornadoes
- ▲ Outside 500-year flood plan
- ▲ Not in airport landing path

BUILDING & EXPANSION

- ▲ 42,000 sq.ft. facility
- ▲ Rack, cage, and private suite options available
- ▲ Scalable power & cooling that can be dedicated, semi-dedicated, or shared
- ▲ Concurrent maintainability
- ▲ Leading MEP Infrastructure
- ▲ Natural wind shadow for equipment yard
- ▲ Very Early Smoke Detection Apparatus (VESDA)
- ▲ Mission critical data center campus
- ▲ Break down room & storage areas for clients
- ▲ "Burn in" room to test & configure equipment
- ▲ Ample meeting rooms & board rooms onsite
- ▲ Workplace Recovery area for business continuity

POWER

- ▲ Parallel 600 kW generators
- ▲ 2.4MW of capacity on each side
- ▲ 2 separate power feeds from dual substations
- ▲ All power in conduit or seal tight
- ▲ Flexible conduit with approved connectors
- ▲ Power density up to 8.6kW per rack
- ▲ P.U.E. of less than 1.5
- ▲ Some of the world's most robust energy delivery
 - ▲ Constant, uninterrupted power

COOLING

- ▲ Chilled water system for cooling
- ▲ 36-inch raised floors
- ▲ Redundant Liebert CRAH & UPS
- ▲ Dual power-fed HVACs with Variable Speed Fans

CONNECTIVITY

- ▲ Private fiber backbone connects all LightEdge facilities
- ▲ Redundant, carrier agnostic connectivity
- ▲ Cross-connects to full suite of cloud services
- ▲ High bandwidth, high reliability, low latency
- ▲ 10 Gbps local private connectivity
- ▲ Enterprise-class, multi-carrier bandwidth
- ▲ No single point of failure
- ▲ Redundant DWDM access to Carrier Hotels

SECURITY

- ▲ Video surveillance at perimeter, throughout facility, and on each data center aisle with 90+ days archival
- ▲ 24/7/365 guards and gated entrance
- ▲ Three levels of secure checkpoints throughout:
 - ▲ Secure check-in with key card, pin & biometrics
 - ▲ Multi-factor authentication in mantraps
 - ▲ Additional biometrics & key card access for white floor space entry
- ▲ All data center cabinets have combo locks
- ▲ Each cage or private suite is secured with key card access and/or biometric controls
- ▲ Tridium Niagara AX Building Management System
 - ▲ Centralized management of critical Infrastructure equipment
 - ▲ Ensures conformance with ASHRAE TC 9.9 standards for A1 environments
 - ▲ Historical data available for trending

COMPLIANCE

- ▲ PCI DSS & HIPAA compliant
- ▲ SOC 1 Type II, SOC 2 Type II & SOC 3 audited
- ▲ ISO 20000-1, ISO 22301, & ISO 27001 certified

UNPARALLELED SUPPORT

- ▲ 24/7/365 manned Network Operations Center
- ▲ Remote Technical Hands available
- ▲ 100% uptime guarantee and SLA

