SubTropolis Technology Center

In September 2013, LightEdge and Hunt Midwest announced their plans to develop a state of the art, underground data center facility located just outside of the metro in Kansas City, MO. With maximum flexibility for expansion, SubTropolis has virtually unlimited space available. LightEdge has offerings for colocation ranging from rack to cage to private suite.

Regardless of the configuration, each colocation customer receives industry-leading management practices based upon ISO 20000, PCI-DSS, and HIPAA Compliance with a 24x7 centralized Network Operations Center covering the entire network and staffed by engineering professionals.

Additional Points of Interest

SubTropolis is owned/operated by Hunt Midwest, a privately held company owned by the Lamar Hunt family. They were formerly investors in Dataside Data Center in Dallas (now owned by Viawest). LightEdge is owned by former Qwest founder, Phil Anschutz. The partnership between the two, creates the ideal data center scenario:

- *Financial strength*
- *Best-in-class technology*
- *Underground location with inherent structural benefits*

LightEdge is a full-service provider and a true partner to your company's enterprise. We provide an alternative for businesses that have traditionally purchased, maintained and then depreciated assets related to IT functions.

By leveraging the economies of scale inherent in the LightEdge network, we enable businesses to operate on redundant IT platforms designed on best practices of Fortune 100 companies with little up front capital and predictable monthly fees.

LightEdge operates three other Midwest data centers that have up to 10 Gbps local private network and can be interconnected through the LightEdge cloud:

- Minneapolis, MN
- Altoona, IA
- Des Moines, IA

For detailed data center specifications, visit: http://www.lightedge.com/datacenters or call 877-771-3343

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LightEdge Data Center Campus

Risk-free Location

The Greater Kansas City area has been consistently ranked as one of the best for constant, uninterrupted power service, so the chances of an energy blackout are minimal. The area has a zero hurricane hazard, low tornado probability and low seismic risk.

It has also been considered to have of the world's most advanced telecommunications networks, which makes it a focal point for both long-haul and transcontinental fiber networks.
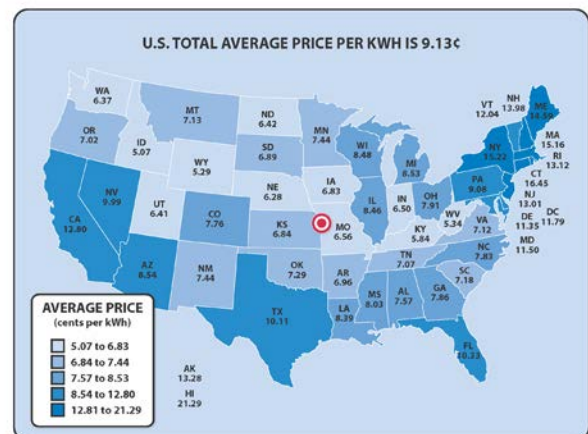

Accessible/Available

SubTropolis is located in one of the best areas in the Midwest. The land is not only within close proximity to KCI Airport, but is also positioned for easy access to interstates I-435, I-70, I-35 and I-29.

Businesses on the East and West coasts can take advantage of its location by being able to conveniently travel from anywhere in the Continental US.

Power and Labor Costs

Unlike the coasts, the Midwest has become very progressive in both energy production and distribution. Between the low operating costs/utilities and the deep local IT talent pool, Kansas City, Missouri has become the prime location for data centers.

KCP&L offers one of the lowest utility costs in the country. Kansas City was ranked #2 in the United States for enterprise data center operating affordability.

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LightEdge Data Center Specs

Facility and Infrastructure

- LightEdge Data Center Phase 1 = 22,000 sq ft (support and raised floor) with options for additional 60,000 sq ft of contiguous expansion

- LightEdge Data Center and supporting infrastructure built to Tier III standards

- Dual inter-lock dry pipe design for fire suppression

- Located underground in SubTropolis Technology Center (STC)

    - Mission critical data center campus

    - Phase 1 of STC = 400,000 sq ft

    - Scalable facility - contiguous expansion (8 million sq ft available)

    - Large clearance space - standard 16-foot ceiling height and evenly spaced 25-foot square pillars 40 ft. apart

    - 6 acre equipment yard (located on the surface)

- Ability to deliver private rack or cage and customized hard wall suite environments

- Solid limestone structure that is 6X as strong as concrete

    - Naturally hardened for protection from natural disasters

    - EMP safe (electromagnetic pulse)

- Energy Star 100 (perfect rating) with constant temperature and humidity

    - Sustainable operating environment

- Remote Technical Hands available

    - Technicians can diagnose, troubleshoot, and repair equipment 24x7x365

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LightEdge Data Center Specs

Security and Compliance

- Will be SSAE 16 SOC 1 Type II Audited (physical, environmental and logical security, as well as, computer operations and customer provisioning)
- Physical security complies with PCI-DSS v2.0 and HIPAA HITECH
- Facility monitored 24x7x365
- Key card and biometric access with video monitoring and DVR retention

Power and HVAC

- Low kW costs (especially compared to other areas of the U.S.) for on-grid power
    - KCP&L electrical grid located on property
- Facility served by dual 30 MW substations and discussions are ongoing to add a third substation on property
- 3-foot raised floor in data center rooms
- Liebert CRAH and Liebert UPS systems with system level redundancy and N+1 components in each system
- Chilled water system for cooling DC environment
- Parallel diesel fired generators with 1.35 MW of power can be delivered to the floor
- Power density of 225 Watts per sq ft

Network Services

- Multiple dedicated carriers within the data center. Anticipated carriers on day one to include:
    - Unite, Windstream, TW Telecom, AT&T, Surewest and Time Warner
- Local private network connectivity up to 10Gb and connectivity to the LightEdge cloud for access to other data centers
    - "Nearly unlimited bandwidth..."
- Ability to connect to the LE cloud, LE data centers, multiple providers and 1102 Grand (carrier hotel) at speeds from 1.5 Mbps to 10 Gbps
- Carrier neutral facility with the ability to deliver high bandwidth, high reliability and low latency service
- Network providers can provide multiple paths into the city and out
    - No single point of failure

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