LightEdge Omaha Facility

LOCAL PEOPLE. LOCAL CLOUD. LOCAL DATA CENTERS.

With its central US location and proximity to LightEdge's other facilities in Altoona, IA and Kansas City, MO, Omaha was a natural site for LightEdge's newest Data Center. After a major **retrofitting in 2017,** LightEdge's 16,377 square foot facility will be the **most up-to-date, multi-tenant Data Center in Omaha**.

Enabled by a wealth of **high speed connectivity options**, power rates that are 20% below the national average, more than 33% of power generation coming from renewable sources, and **tax incentives** that flow directly to Data Center tenants, the city of Omaha and state of Nebraska have signaled they are serious players in this market. Omaha is also ranked as one of the **fastest growing technology hubs** in the US with a deep and highly skilled IT & Data Center professional workforce.

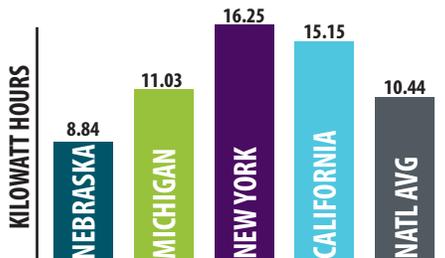## PHYSICAL LOCATION

1. ACCESSIBLE & AVAILABLE

- Close proximity to Omaha Airport
- Focal point for long-haul & transcontinental fiber
- Easy access to I-80
- Located in Omaha DC Business Park
    - Planned power developed area

2. RISK FREE ENVIRONMENT

- Low seismic risk
- Low tornado probability
- Not in airport landing path
- Outside 500 year flood plain
- Low traffic area

3. LOW COST, BIG REWARD

ANNUAL AVERAGE ELECTRICITY COST

KILOWATT HOURS

NEBRASKA	8.84
MICHIGAN	11.03
NEW YORK	16.25
CALIFORNIA	15.15
NATL AVG	10.44

FAST FACT

OMAHA IS BECOMING A DATA CENTER MECCA WITH LIGHTEDGE BEING ONE OF THE 1ST MULTI-TENANT FACILITIES.

BUILDING & EXPANSION

1. PROVEN DESIGN

- Hardened 10" pre-cast concrete structure
- Multi-zoned, dual interlocked, dry pipe sprinkler
- Support & raised floor
- VESDA

2. WHAT'S TO COME

- Built in 2010
- Retrofitted in 2017
- Total sq ft 16,377
    - 3,200 sq ft office space
    - 5,000 sq ft raised floor
    - 8,177 sq ft support area
- Individual rack & cage space available
- Custom suite offerings
- Scalable power & cooling that can be dedicated, semi-dedicated or shared
- 10 inch reinforced precast walls
- Tier 3 rated facility with a 120 mph wind rating
- Build-up/burn-in room

www.lightedge.com/data-centers   877-771-3343   info@lightedge.com

LIGHTEDGE

POWER

1. UNINTERRUPTED POWER

- 2 separate utility feeds (2 -1,500 KVA transformers)
- Redundant substations
- Generator Power (2N) 2 - 1.5 MW Cat Generators with 36 hr run time fully loaded (3,300 gallon fuel tanks)
- 2 complete separate electrical rooms
- Each electrical room is outfitted with (1) 750 KVA NXL Liebert UPS (plumbed for 2 for a max 1.5MW)
- 2 battery rooms

SECURITY

1. PHYSICAL

- Dry Pipe sprinkler system with VESDA above and below the floors
- Secure check-in process, and key card & biometric scanners
- Video surveillance at perimeter & inside with 91+ archived video
- Key card activated via hand scan, and deactivated upon departure
- Two-factor authentication through mantraps, utilizing key card access, pin code, hand geometry biometrics, and tailgate sensors
- Entry into white floor space will require additional and key card access for multiple levels of secure checkpoints
- High definition video surveillance cameras located in each aisle
- All DC cabinets are equipped with combo locks and each cage or private suite is secured with either key card or biometric controls

2. COMPLIANCE & OPERATIONS

- PCI-DSS v3.2 & HIPAA compliant
- SSAE 16 SOC 1, 2 & 3 Type II audited
- ISO 20000 & ISO 27001 certified
- 24x7x365 manned Operations Center

3. BUILDING MANAGEMENT SYSTEM

- Powered by Tridium Niagara AX
- Centralized management of critical infrastructure equipment
- Historical data available for trending

CONNECTIVITY

1. KEEPING YOU CONNECTED

- Four Carriers have POPs with diverse routes
- Variety of LE dark fiber & lit services
- Private connectivity to KC & Altoona DCs
- Private connectivity to local Carrier Hotel

FAST FACT
WE HAVE A FIBER BACKBONE CONNECTING ALL 3 LIGHTEDGE DATA CENTERS IN IA, MO & NE.

COOLING

1. KEEPING IT COOL

- Motivair Chillers (418kW) each. Max design 1.5mW cooling
- Liebert CRAH units (N+1) configuration.
- N+1 built-in redundancy
- 36 in raised floors throughout
- Dual power fed HVAC units with Variable Speed Fans
- Humidity set point of 44

CARRIER | SERVICE CAPABILITIES

Carrier	Service Capabilities
CenturyLink	Wave, Ethernet, MPLS Copper and POTS lines
COX	Wave, Ethernet, Coax and POTS lines
GPN (Great Plains Network)	Fiber, Wave, Ethernet
Unite Private Networks	Dark Fiber, Wave, Ethernet

NEXT STEPS?

Contact us today to learn more about LightEdge's first class data center facilities in Iowa, Missouri & Nebraska.

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877-771-3343