Chicago CH1 Data Center

Offering low-cost power, substantial tax incentives, and low latency to both U.S. coasts, Chicago is a **top data center market** in the Midwest. CH1, the first of two data centers on our 72MW campus, offers solutions for clients of all sizes.

**Data center space**
- 126,000 sq. ft. data floor space
- Six 6MW vaults
- Two-story building
- Class A office space available

**Power**
- Total critical IT load: 36MW
- Four primary 34.5kV utility feeds, plus one alternate feed
- N+1 distributed redundancy with 4 to make 3 design
- Eight (8) x 1MW UPS modules for every 6MW capacity
- Dual-corded power distribution
- Generators with on-site fuel storage to support 24 hours run time at full load with 24x7x365 fuel delivery
- Diverse power distribution to data hall (A and B feeds)
- Power densities available up to 22kW per rack
- Renewable energy options available

**Fire protection**
- Next generation safety management by ONYXWorks for centralized control and monitoring of the fire alarm system
- Dual interlocked nitrogen filled preaction dry pipe fire suppression system
- Aspiration Smoke Detection (ASD) system enabling fast detection, response and mitigation

**Security**
- 24x7x365 Security and Operations team
- Fenced campus with centralized, electronic access control system
- 100+ real-time security feeds using pattern-based technology
- Multi-factor authentication throughout the facility
- Secure managed delivery and loading area 24x7x365

**Connectivity**
- Carrier-neutral
- Two diverse fiber entry points
- Two Meet-Me-Rooms
- Access to many global and regional carriers and ISPs offering dark fiber, wavelength, ethernet, MPLS, VPLS, IP transit, and peering
- Ability to access multiple leading public, private and hybrid cloud providers
Additional data center services

• Remote hands and eyes
• Fit-out and deployment
• Class A office space
• Dedicated long-term storage

Certifications and compliance

Compliance
• SOC1 and SOC2 Type II
• ISO 27001
• ISO 50001 Energy Management Systems
• PCI DSS
• NIST 800-53 High
• HIPAA

Sustainability
• Designed to LEED Gold Standards
• EPA ENERGY STAR

Data center products

• Cabinets
• Customizable cages
• Private suites
• Dedicated vaults
• Build to suit

Chicago CH1 Highlights

Design: CH1 was designed with a reinforced concrete slab floor that increases floor loading and variable rack densities. All doors in the data center are 10-ft. from arrival to vault allowing for unencumbered movements throughout the facility.

100+ security feeds: CH1 utilizes the Avigilon H4 Fisheye Camera line that offers a high-resolution, 360-degree view of the data center and provides realtime alerts to our in-house security team using pattern-based technology.

Client amenities: CH1 offers several client amenities including conference rooms, hoteling stations, break room, crash carts, rack and server lifts, and free Wi-Fi.

Locations in Chicago

Address and contact
Chicago CH1 Data Center
NTT Global Data Centers Americas
255 Pierce Road Itasca,
IL 60143 United States
T: 916-286-3000
Chicago CH1 Layout

Floor 1

- Shipping & Receiving
- Generator Yard
- Mech/Elec Gallery
- MMR1
- Lobby

Vault 1-1
- 6MW critical IT load
- 21,120 sq.ft

Vault 1-2
- 6MW critical IT load
- 21,120 sq.ft

Vault 1-3
- 6MW critical IT load
- 21,120 sq.ft

Vault 1-2
- 6MW critical IT load
- 21,120 sq.ft

Vault 1-3
- 6MW critical IT load
- 21,120 sq.ft

Floor 2

- Client Office Space
- Mech/Elec Gallery
- MMR1
- Breakroom

Vault 2-1
- 6MW critical IT load
- 21,120 sq.ft

Vault 2-2
- 6MW critical IT load
- 21,120 sq.ft

Vault 2-3
- 6MW critical IT load
- 21,120 sq.ft

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