UNITED STATES

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

Cooling

- Air-cooled chillers with airside economizers
- Fan coil wall cooling design with hot aisle containment and N+1 redundancy in the vault
- Dedicated modular chiller plant designed with a closed loop water cooling system for additional efficiency

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
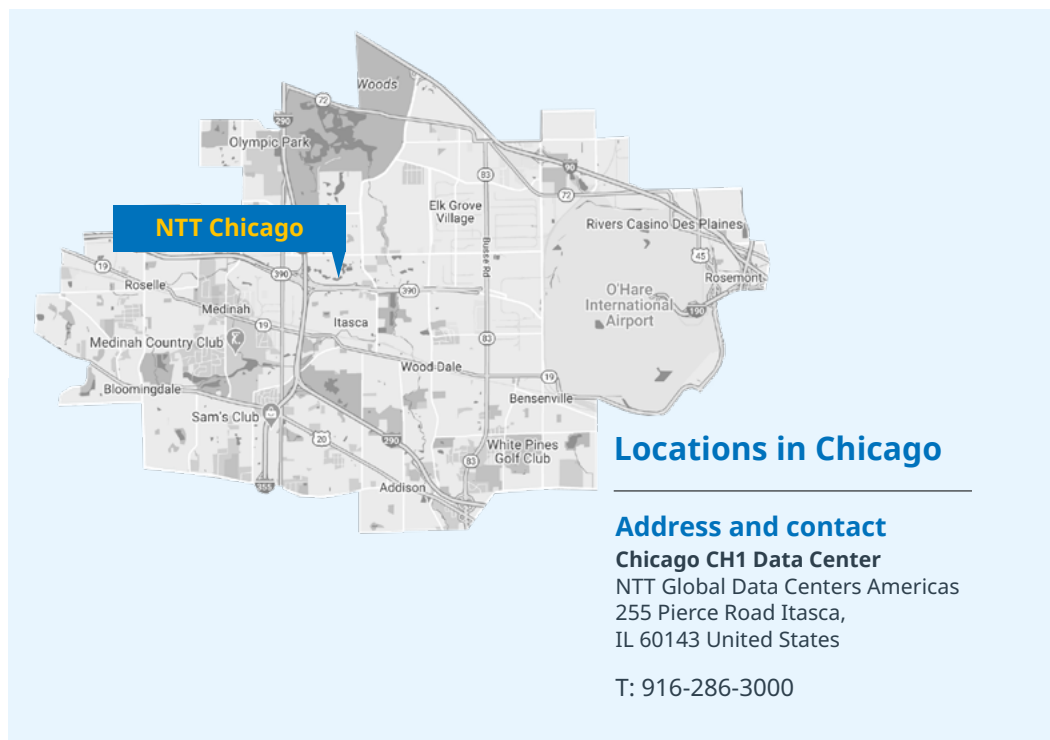- Build to suit

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.
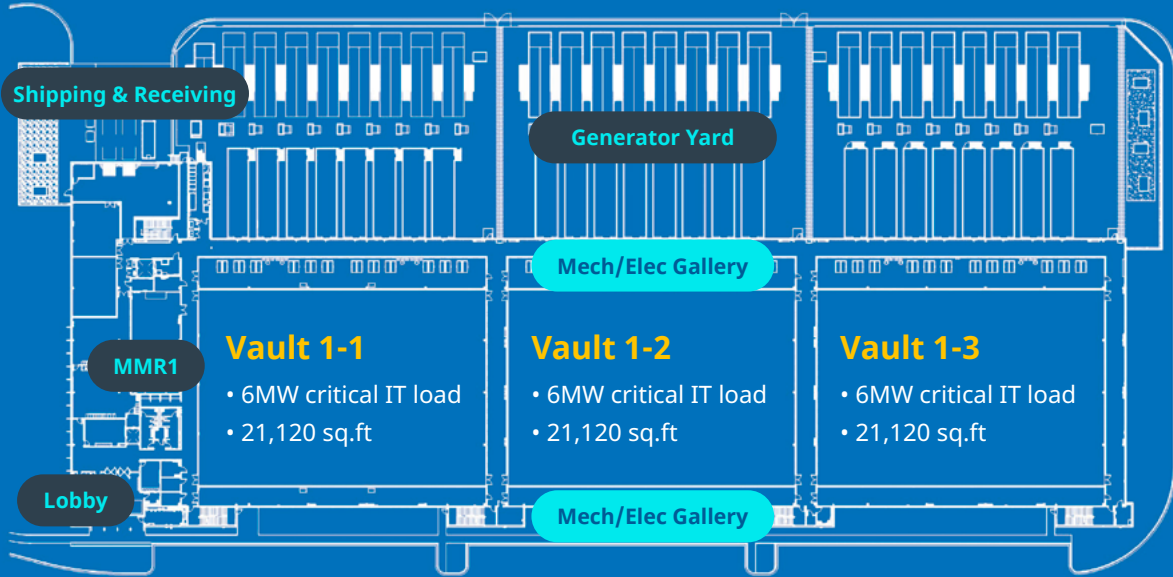

NTT Chicago

Locations in Chicago

Address and contact

Chicago CH1 Data Center
NTT Global Data Centers Americas
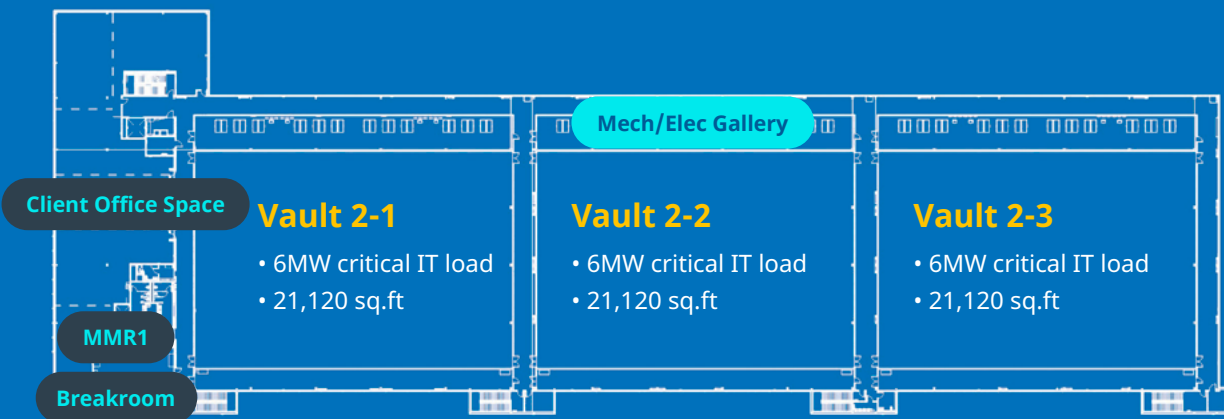255 Pierce Road Itasca,
IL 60143 United States

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Chicago CH1 Layout

Floor 1

Shipping & Receiving

Generator Yard

Mech/Elec Gallery

MMR1

Lobby

Mech/Elec Gallery

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

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