

# 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.



## Locations in Chicago

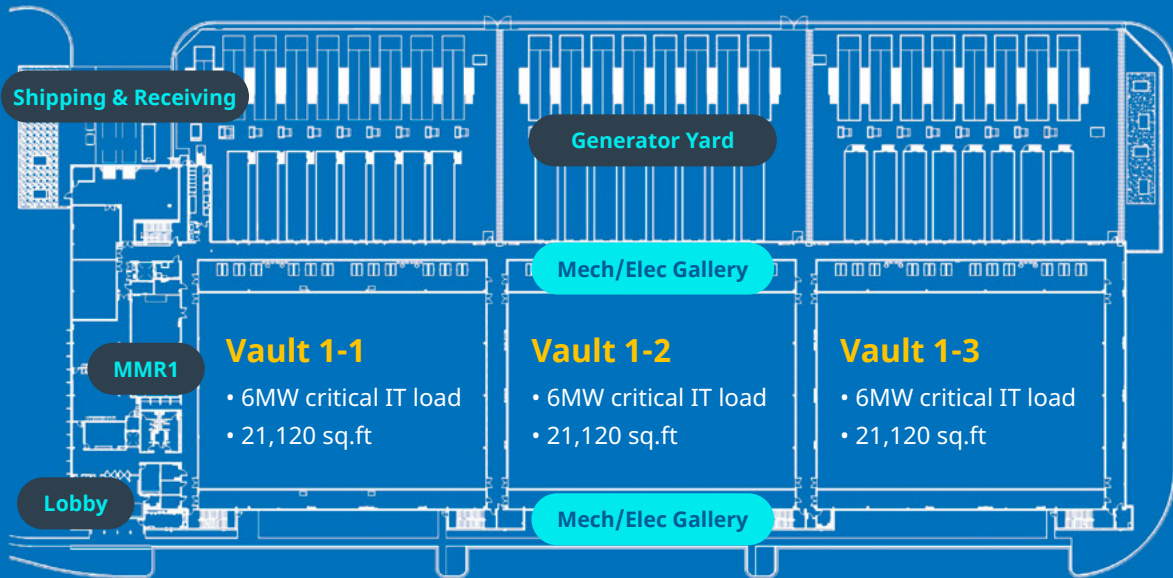
### Address and contact

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

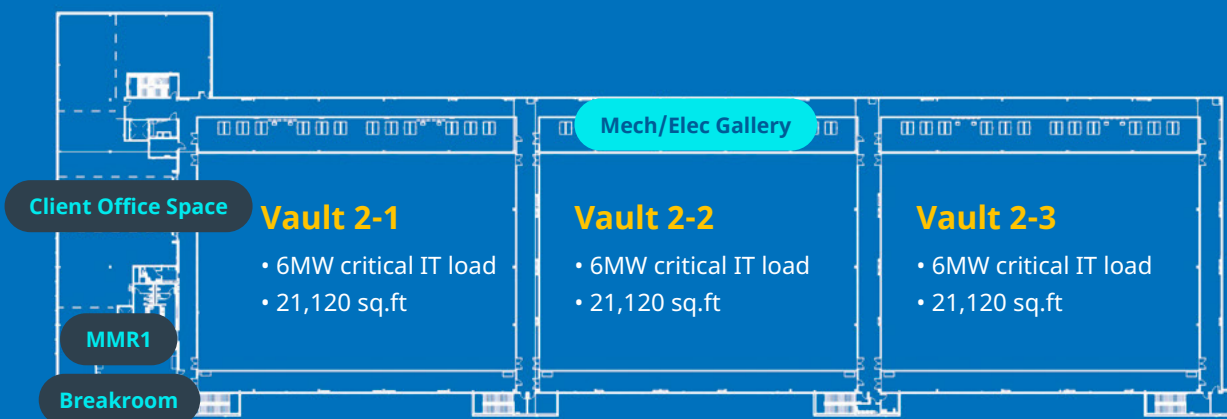
T: 916-286-3000

## Chicago CH1 Layout

### Floor 1



### Floor 2



All rights reserved. The information in this data sheet contains only general descriptions which may not apply for each individual case or may change as products and services levels are adapted to new technological development. The required service elements are only binding when explicitly stated in a service contract. Technical specifications may be subject to alterations.

