

Byte Exchange (CBE1)

Data Center Specifications

Ready for Service: Q4'26

CBE1 is an ultra-secure, highly advanced data center, with flexible power and space infrastructure configurable to meet tenant requirements in density, cooling and redundancy

PROPERTY

Address: 400 S. LaSalle St

City: Chicago

Land Parcel: 1.15 acres

Building Size: +/-300,500 sq.ft.

Transportation:

- Chicago O'Hare International Airport (ORD) - 18 miles Chicago
- Midway International Airport (MDW)- 10 miles

BUILDING DESCRIPTION

Building Name: Chicago Byte Exchange Data Center (CBE1)

Utility Power Feeds: Capacity 33 MW via seven (7) diverse routed utility service feeds

Parking: 300+ spaces

Number of Stories: Six (6) + Basement

Loading Docks: Three (3) Spaces

DATA HALL SPECIFICATIONS

Number of Data Halls: Three (3) expandable

Data Hall 1: 30,000 sq.ft.

Data Hall 2: 21,000 sq.ft.

Data Hall 3: 22,000 sq.ft.

Clear Height: 15' to 32 ft.

DATACENTER AREA DESCRIPTION

Raised Floor Area: 100,000+ sq.ft.

Number of Data Halls: Three (3)

Raised Floor Height: 36 in.

Slab to Slab: 18 - 46 ft.

SECURITY

Entrances: 24/7 Security Controlled

Security Guards: Staffed 24/7/365

Access Controls: Card key, three factor authentication and biometric readers

CCTV: 24/7 surveillance of interior and exterior of facility

TECHNICAL OFFICE SPACE

Staging: 950 sq.ft.

Shared: 12 internal workstations

Dedicated: 20,000+ sq. ft.

CRITICAL POWER

Total Megawatts: 22 MW expandable

Redundancy: Configured as N+1 or adjustable to tenant needs

UPS SYSTEMS

Description: UPS blocks are 6 to make 5 (6N/5) distributed redundant

Redundancy: N+1

GENERATORS

Description: 36 MW - fifteen (15) 2.4 MW units

Redundancy: N+1

ON-SITE FUEL CAPACITY

Storage Tanks: 60,000 gallons - expandable, 24 - 72 hours Full Load resiliency

HVAC SYSTEMS

Description: ASHRAE A1 / ASHRAE W32

Chillers: 900 Ton Centrifugal Units with Variable Frequency Drives

Redundancy: N+1

Water Cooling Units: 1400 Ton with Variable Frequency Drives

Air Distribution System: 30 - 60 Ton CRAH Units

Water Cooled Distribution: Rear Door Heat Exchangers and Direct-to-Chip cooling with dedicated secondary loops for CDUs (rack/facility)

Dehumidification: Room-based with monitoring to meet Tenant needs

PDU/RPP

PDU Description: 500 - 650 kVA (480v/415v/208v)

RPP description: Panel Whips or overhead busway with BCMS

FIRE PROTECTIONS

Fire Alarm System Type: A microprocessor based intelligent addressable fire alarm system.

Pre-Action System: Double interlock pre-action system

Wet Sprinkler System: Administrative spaces, office spaces, corridors and other non-critical back of house spaces

NETWORK

POE Conduits: Two diverse building entry points

Meet-Me-Rooms: Two (2)

Onsite Carriers: Eight (8) carriers including Zayo, ATT, Verizon, Lumen, Comcast with many others nearby.

Carrier Hotel Proximity: Latency time to Cermak is 0.5 ms roundtrip with dark fiber and other low latency transport services available

CERTIFICATIONS (Planned)

SSAE 16 Type II

PCI-DSS

ISO 27001

ITIL

Energy Star



LEGACY
DATA
CENTERS

SINCE THE BEGINNING, WE'VE BEEN DEVELOPING AND EMPOWERING DATA CENTERS FOR THE FUTURE

Legacy Data Centers is a fully vertically-integrated data center platform that delivers infrastructure built for today and tomorrow.

From before the cloud we've been creating real-world data center solutions with speed, precision, and conviction.

25+

Years of Developing

34

Completed sites

2.3 GW

Delivered

amazon



nvidia

FLEXENTIAL

pwc

leidos



EQUINIX

core42

PNC

CoreWeave

CenturyLink

cogent



EXTRADE



THE WORLD BANK

Morgan Stanley

Data center users we've supported with capital, deployments and buildings across our portfolio.

Navigating The Complexities For Over 25 Years.

From colo to cloud to GPU environments with direct-to-chip cooling, Legacy has delivered projects across a wide variety of technologies and typologies.

Our deployments span turn-key and powered shell build-to-suits and adaptive-reuse data centers across the country.

Connected. Capitalized. Committed.

Legacy Data Centers is part of Legacy Investing—a platform with deep financial and operational expertise across real estate and infrastructure. Our access to capital, relationships, and insight allows us to move fast, scale with confidence, and deliver with discipline.



LEGACY

(703) 665-9932
info@legacyinvesting.com
legacyinvesting.com