



TeraGo's flagship Tier III-capable facility is purpose-built and equipped with 2N power, cooling and connectivity infrastructure, providing high levels of reliability and support, without the high price tag. The data centre space resides on the 2nd floor of a complex constructed by Blackberry (Research In Motion), providing state-of-the-art design elements not found in similar facilities, including an indoor generator facility located off-site for added redundancy.

Property

Location: Mississauga, ON
Data Centre Size: 30,000 sq.ft.
Transportation: Close proximity to 401, 427, 407, 403 and Queen Elizabeth Way (QEW)

Building Description

Building Name: T03
Utility Power Feeds: 2 feeds from 2 substations
Parking: 1600 spaces
Number of Stories: 6
Loading Docks & Storage: Full height and truck-bed height loading docks. Secure room for equipment delivery and storage.
Building Exterior: Office complex

Data Centre Area Description

Raised Floor Area: 6,420 sq.ft.
Raised Floor Height: 25", with all sub-floor outlets raised 8" above ground level
Raised Floor to Ceiling Height: 9' (slab to ceiling height of 11'1")

Power Distribution

- In-row Remote Power Panels (RPPs) to allow for more-efficient monitoring and distribution
- 2N back-up power infrastructure from two dedicated municipal hydro substations
- A and B side power in every cabinet
- 208V Single or 3-Phase, 120V Single Phase

Network Connectivity

Network Providers: Carrier-neutral facility, with physically diverse accesses:

- TeraGo
- Bell
- Allstream
- Rogers

Security

Access Controls: Multi-factor access authentication, 24/7 video monitoring, 24/7 monitoring by Network Operations Centre

Generators

Description: Ten 600kW generators
Redundancy: 2N

On-site Fuel Capacity

Storage Tanks: Ten 1,270 U.S. gallon tanks (12,700 U.S. gallons total)
Backup Capacity: Providing > 48 hours run time at full load, based on current capacity

UPS Systems

Description: 4 x 450kW UPS. Clean power supplied by double conversion UPS.
Redundancy: 2N

Racks and Space

Cabinets

- In-row Cross Connects with pre-engineered cable plant to all cabinets
- LED back-lighting
- Support up to 42 rack units in every cabinet
- Optional half (½) racks available for order
- Depth-adjustable railings
- Standard rack PDUs or custom power circuits
- Dual cable trays and ladders separating inbound vs. outbound cabling

Cages

- Secure cage enclosures available
- Built to meet customer requirements

HVAC Systems

Description: Raised floor, hot aisle, cold aisle configuration, 2N Cooling Infrastructure, chilled water towers and closed glycol loop, independent air-cooled rooftop cooling units
Chillers: Fourteen 30-tonne Computer Room Air Conditioning (CRAC) units (420 tonnes total), supporting 1,470 kVa at capacity

Certifications

AT101 SOC 2 TYPE 2
PCI Compliance Support

Fire Protection

Description: FM-200 fire suppression system

Our Locations

Located across Canada, our owned and managed data centres meet robust governance and audit.

