

eStructure

DATA CENTERS

eStructure - Montreal 1 Data Center

Our MTL-1 Data Center is located conveniently in Montreal's city center, easily accessible via both public and private transportation. The facility includes more than 25,000 sq. ft. of colocation space, and is served by multiple power substations operated by Hydro Quebec, with a total capacity of 5MW.



KEY FACTS

ADDRESS

800 Victoria Square, Montreal

SITE OVERVIEW

- 25,000 sq. ft. of IT space
- 11,000 sq. ft. of mechanical space



BUILDING DETAILS

- 6 halls and 5 MW of critical IT load
- Supports up to 30kW/cabinet power loads
- Dual-layered physical security monitoring 24/7/365 (Building and Data Center)
- Shared and dedicated suites available
- Customer office, DR and storage spaces available
- Direct access to Montreal subway system



POWER AND INFRASTRUCTURE

- 5MW critical IT load
- Tier 2, Tier3, 2N +1 UPS solution



CONNECTIVITY

- Carrier and Cloud Neutral
- 20+ carriers
- Connected by redundant and path diverse fiber loop to MTL-2 and single loop to all 3 locations for even greater connectivity and diversity options

eStructure provides ISP services to managed server and colocation customers, as well as carrier and network neutral access to many local and international carriers. Diverse fibre points of entry - via the building's North and South sides with direct conduits to the facility's Meet-Me-Rooms - provide redundancy and ensure availability of all connectivity services.

**Downtown Montreal | High-Power Density
Peering to All Major IXPs | 20+ Carriers on Site
AWS Direct Connect**



MTL-1 DC SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS

SPACE	11,000 sqft Mechanical space 25,000 sqft IT space
SPACE CONFIGURATION	Up to 6 halls and 5MW of critical IT load
YEAR BUILT	1964
NUMBER OF FLOORS	One floor of office and infrastructure space
FLOOR LOAD	150lbs/sq. ft.
CEILING CLEARANCE	12 ft.
LOADING DOCK	24/7 access to loading dock. 11'3" truck height limitation.

CONNECTIVITY

MEET ME ROOM	Dual physical fiber entrances into the building (North and South) with direct conduits to the facility's Meet-Me-Room.
CONNECTIVITY	Network neutral with access to 20+ carriers including AWS Direct Connect, Megaport and IX Reach Elastic Interconnection
IP SERVICES	Managed Bandwidth with eStructure managed AS number and IP range
FIBER AND COPPER CROSS CONNECTS	Yes

ENVIRONMENTAL CONTROLS

COOLING DISTRIBUTION	Hot aisle/cold aisle containment
COOLING CAPACITY	Varies based on densities. Hall level and individual cabinet level cooling solutions available.
REDUNDANCY	N+1 mechanical redundancy
DESIGN	Chilled water in use throughout the facility

CERTIFICATIONS

CERTIFICATIONS	SOC 2, Type 2
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POWER

SERVICE	20v/208v/208v 3-phase power available
POWER PROVIDER	Hydro Quebec
ENTRANCES	Power feed from a single substation
DENSITY DESIGN	Up to 30KW per cab available standard. Higher densities available upon request.
UPS	Concurrently maintainable 1MW N+1 UPS architecture. Flexible 2N solution available upon request.
BACKUP GENERATORS	N on generators 2N available upon request
FUEL RUN-TIME	On-site diesel storage providing 24 hours unrefueled operation

SECURITY

VIDEO	Monitoring with HD security cameras. All footage recorded and stored for minimum 30 days.
ON-SITE STAFFING	24/7/365 on site security staff
ACCESS	24/7 access for registered customers. Dual-layered physical access control. Card and biometrics access control at mantraps. Additional cabinet, cage or data hall security available.
MAN TRAPS	Yes

FIRE PROTECTION

PROTECTION SYSTEM(S)	VESDA system
FIRE SUPPRESSION	Pre-action fire and smoke suppression

