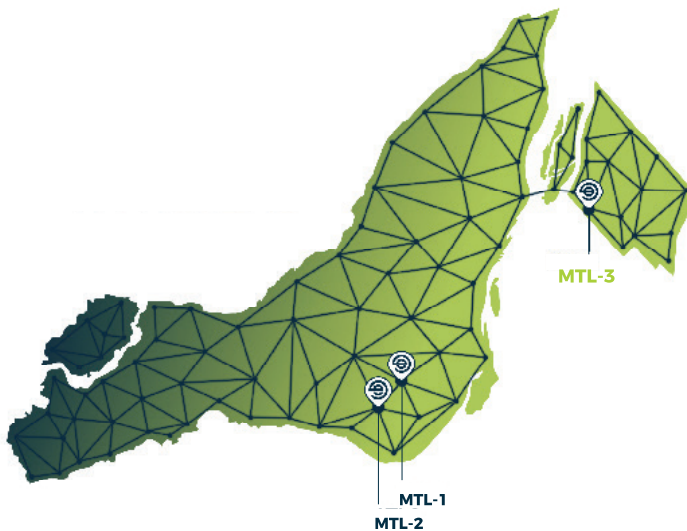# eStruxture | MTL-3 Data Center

eStruxture's **MTL-3 Data Center** is located just minutes from the city center. This Tier III facility was the first of its kind in the greater Montreal area and has maintained 100% uptime since its inception in 2009. Its redundant, best-in-class critical infrastructure provides enhanced concurrent maintainability.

MTL-3

MTL-1
MTL-2

eStruxture provides ISP services to managed server and colocation customers, as well as carrier and network neutral access to many local and global carriers. Dedicated dark fiber or virtual fiber is available between our Montreal facilities via our path redundant dark fiber network. This makes it easy for you to interconnect infrastructure and services located in different eStruxture facilities.

Tier III Design | High-Density | QIX Connectivity
20+ Carriers | AWS Direct Connect

KEY FACTS

ADDRESS
1350 Nobel Street, Boucherville

SITE OVERVIEW
– 7,000 sq. ft. of IT space

BUILDING DETAILS
– 2 halls (K1 and K2) and 1.2MW of critical IT load
– Supports up to 15kW/cabinet power loads
– Remotely monitored 24/7/365
– Shared and dedicated suites available
– Customer office, DR and storage spaces
– Away from downtown traffic and
   construction zones

POWER AND INFRASTRUCTURE
– 1.2MW facility
– Tier 3, 2N mechanical & electrical systems for
   concurrent maintainability

CONNECTIVITY
– Cloud and Carrier neutral
– 20+ carriers
– Directly connect to all major clouds, including
   AWS, Azure, Google Cloud, Oracle Cloud, etc.
– Connected by redundant and path diverse fiber
   loop to MTL-1 for even greater connectivity and
   diversity options

MTL-3 DC SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS

SPACE	7,000 sq. ft.
SPACE CONFIGURATION	2 halls (K1 and K2) 1.2MW of critical IT load
YEAR BUILT	K1 - 2009 K2 - 2013
NUMBER OF FLOORS	One floor of office and infrastructure space
FLOOR LOAD	K1 – 1750 lbs/rack K2 – 3999 lbs/rack
CEILING CLEARANCE	K1 - 7' 4 | K2 - 8' 4" Loading dock - 8' 5"
FLOOD PLAIN	102' (31m) above sea level
LOADING DOCK	Access to loading dock on request
RECEIVING AREA	Secure receiving area

POWER

SERVICE	One 25KV at 1.5MW
POWER PROVIDER	Hydro Quebec
ENTRANCES	Power feed from single substation
DENSITY DESIGN	Up to 15kW per cab available standard. Higher densities available upon request.
UPS	High availability, concurrently maintainable 1MW N+1 UPS architecture. Flexible 2N solution available upon request.
BACKUP GENERATORS	Completely redundant 2N electrical distribution
FUEL RUN-TIME	On-site diesel storage providing 48 hours unrefueled operation

CONNECTIVITY

MEET ME ROOM	2 Redundant Meet-Me-Rooms
CONNECTIVITY	Network neutral with access to 20+ carriers including AWS Direct Connect, IX Reach and Megaport
IP SERVICES	Managed Bandwidth with eStruxture managed AS number and IP range
FIBER & COPPER CROSS CONNECTS	Yes

SECURITY

VIDEO	Monitoring with HD security cameras. All footage stored for minimum 90 days
ON-SITE STAFFING	Site is remotely monitored 24/7/365. On site staff during business hours.
ACCESS	24/7 access for registered customers. Dual-layered physical access control. Card and facial biometrics access control at mantraps.
MANTRAPS	Yes

ENVIRONMENTAL CONTROLS

COOLING DISTRIBUTION	Subfloor air supply and perforated tiles distribution.
COOLING CAPACITY	K1 - 210kW K2 - 450kW
REDUNDANCY	N+1 unit redundancy
DESIGN	High-performance CRAC systems with free cooling add-on.

FIRE PROTECTION

PROTECTION SYSTEM(S)	VESDA system
FIRE SUPPRESSION	Novec clean agent fire suppression system

CERTIFICATIONS

CERTIFICATIONS	SOC 1 Type II, Uptime TIER III Design, PCI-DSS, SSAE 18

ROGERS   TELUS   fibrenoire   ixreach connecting networks   Megaport   Bell