

eStructure

DATA CENTERS

eStructure | CAL-1 Data Center

Our **CAL-1 Data Center** is a highly scalable, 65,000 square foot facility that supports high-density deployments. With the latest in power delivery equipment, energy-efficient cooling, and multiple security zones, CAL-1 provides a safe haven for your IT infrastructure so you can rest easy and focus on your business. Our data center adheres to the highest compliance standards, including SOC 2 Type 2, PCI DSS, and is Tier III Certified.



KEY FACTS

ADDRESS

7007 54 Street SE, Calgary
Lat: 50.992111 | Long: 113.957079

SITE OVERVIEW

- 65,000 sq. ft. facility
- 40,000 sq. ft. of IT space



BUILDING DETAILS

- 1 halls and 6MW total power
- Supports up to 30kW/cabinet power loads
- 24/7/365 video surveillance and monitoring
- Shared and dedicated suites available
- Customer office, cyber cafe, DR and storage spaces available



POWER AND INFRASTRUCTURE

- 6MW facility
- Tier III certified, N+1 UPS solution, 2N available upon request



CONNECTIVITY

- Cloud and Carrier Neutral
- 8+ carriers
- Directly connect to all major clouds, including AWS, Azure, Google Cloud, Oracle Cloud, etc.
- Dark fiber ring to downtown carrier hotel

eStructure provides ISP services to managed server and colocation customers, as well as carrier and network neutral access to many local and international carriers.

Our Calgary facility enhances geo-redundancy for our Montreal and Vancouver customers and allows them to seamlessly expand into new markets.

**Fully Configurable Space | High-Density
8+ Carriers on Site | Cloud and Carrier Neutral**

CAL-1 DC SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS

SPACE	65,000 sq. ft. of total space 40,000 sq. ft. of cabinet space
SPACE CONFIGURATION	1 hall and 6MW total power
YEAR BUILT	2015
NUMBER OF FLOORS	One floor of office and infrastructure space
FLOOR LOAD	Tate FS200 flooring system, 1250 lbs point load
CEILING CLEARANCE	25 ft.
FLOOD PLAIN	8 km away from nearest natural water source
LOADING DOCK	Dedicated loading dock

POWER

SERVICE	Dual 13.2KV power feeds rated at 6MW dedicated substation and drop down transformers 13.2KV/480V
POWER PROVIDER	Enmax
ENTRANCES	Dual feed from a single substation
DENSITY DESIGN	Up to 30kW per cabinet available standard. Higher densities available upon request.
UPS	N+1 UPS architecture. Flexible 2N solution available upon request.
BACKUP GENERATORS	N+1 on generators
FUEL RUN-TIME	Minimum 30 hours run time at site design of 3000kW of IT load

CONNECTIVITY

MEET ME ROOM	Two Meet-Me-Rooms
CONNECTIVITY	Network neutral with access to 8+ carriers including City of Calgary YYC IX, IX Reach and Megaport
IP SERVICES	Blended IP bandwidth
FIBER AND COPPER CROSS CONNECTS	Yes

SECURITY

PERIMETER	Protected by a combination of cameras, bollards, wire fencing and physical security
VIDEO	CCTV coverage across 65+ cameras. All footage stored for min. 90 days.
ON-SITE STAFFING	24/7/365 on site technical and security staff
ACCESS	24/7/365 access for registered customerscard access with secondary biometric authentication, multiple zone security access
MAN TRAPS	Yes

ENVIRONMENTAL CONTROLS

COOLING DISTRIBUTION	Hot aisle/cold aisle. 12 x 100 ton CRAC units delivering into pressurized underfloor plenum
COOLING CAPACITY	1200 tons of redundant, fault tolerant cooling capacity. High density pods (700+ watts per sq. ft.)
REDUNDANCY	2N, N+1
DESIGN	Highly energy efficient cooling system

FIRE PROTECTION

PROTECTION SYSTEM(S)	VESDA system
FIRE SUPPRESSION	2-stage dry pipe interlock system

CERTIFICATIONS

CERTIFICATIONS	UTI Tier III, SOC 2 Type 2, PCI DSS (compliant)
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