



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 II, PCI DSS, and is Tier III Certified.



KEY FACTS

ADDRESS

7007 54 Street SE, Building D, Suite 204
Calgary, AB T2C 3C2
Lat: 50.992111 | Long: 113.957079

SITE OVERVIEW

- 65,000 sq. ft. facility
- 33,700 sq. ft. of IT space



BUILDING DETAILS

- 24/7/365 video surveillance and monitoring
- Shared and dedicated suites available
- Customer office, cyber cafe, DR and storage spaces available



POWER AND INFRASTRUCTURE

- 2 halls and 9MW total power, upgradable to 13MW
- Supports up to 30kW/cabinet power loads
- Tier III certified, 2N UPS solution



CONNECTIVITY

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

eStructure is the largest Canadian-owned and headquartered data center platform. We operate fifteen facilities in Montreal, Toronto, Calgary, and Vancouver, and offer one of the largest immediately available data center capacities in the country. This means you can easily grow and expand with us throughout Canada, as your business requirements evolve.

Located in Calgary, Canada's fourth-largest data center market, our modern **CAL-1** data center, offers the benefit of strong connectivity and low power cost.

**FULLY CONFIGURABLE SPACE | HIGH-DENSITY
30+ CARRIERS ON SITE | CLOUD AND CARRIER**

CAL-1 DATA CENTER SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS		SECURITY	
SPACE	65,000 sq. ft. of total space 33,000 sq. ft. of cabinet space	PERIMETER	Protected by a combination of cameras, bollards, wire fencing and physical security
SPACE CONFIGURATION	2 hall and 10MW total power, upgrdable to 13MW	VIDEO	CCTV coverage across multiple cameras. All footage stored for minimum 90 days
YEAR BUILT	Data Hall A 2015 Data Hall B 2022	ON-SITE STAFFING	24 / 7 / 365
NUMBER OF FLOORS	One floor of office and infrastructure space	ACCESS	24/7 access for registered customers. Card and biometric access control at mantraps. Additional cabinet, cage or data hall security available upon request
FLOOR LOAD	Data Hall A 1250 lbs/tile Data Hall B 4250 lbs/tile	MANTRAPS	Yes
CEILING CLEARANCE	Data Hall A 25 ft Data Hall B 19 ft'	CONNECTIVITY	
FLOOD PLAIN	8 km away from nearest natural water source	MEET-ME-ROOM	Two Meet-Me-Room
LOADING DOCK	Dedicated loading dock	CONNECTIVITY	Network neutral with access to 30+ carriers 4 POEs
RECEIVING AREA	Yes	IP SERVICES	Blended IP bandwidth
POWER		FIBER CROSS CONNECTS	Yes
SERVICE	Dual 13.2KV lines from the same substation. Each line has a maximum capacity of 8MW	COPPER CROSS CONNECTS	Yes
POWER PROVIDER	Enmax	ENVIRONMENTAL CONTROLS	
ENTRANCES	Two separate feeds from a single substation	COOLING DISTRIBUTION	Hot aisle/cold aisle Data Hall A 8x165 kW units in N+1 configuration Data Hall B 21x250 kW units in N+1 configuration
DENSITY DESIGN	Up to 30kW per cabinet available standard. Higher densities available upon request	COOLING CAPACITY	Varies based on densities.
UPS	2N UPS architecture	REDUNDANCY	N+1 mechanical redundancy
BACKUP GENERATORS	4 x 3MW Diesel generators with power distribution set up in an A + B + C + D configuration (shared redundancy)	DESIGN	Highly energy efficient cooling system
FUEL RUN-TIME	30 Hours		
FIRE PROTECTION		CERTIFICATIONS / COMPLIANCES	
DETECTION SYSTEM(S)	VESDA system	SOC 1 Type II, SOC 2 Type II, PCI DSS, ISO 27001, UTI Tier III by design	
FIRE SUPPRESSION SYSTEM(S)	2-stage dry pipe interlock system		

