eStruxture | CAL-1 Data Center

Our **CAL-1 Data Center** is a highly scalable, 65,000 square feet 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.

CAL-2

CAL-1

KEY FACTS

ADDRESS

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

SITE OVERVIEW

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

BUILDING DETAILS

– 2 halls and 9MW total power, upgradable to 13MW
– 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

– 9MW facility, upgradable to 13MW
– 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

eStruxture 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 DC SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS

SPACE	65,000 sq. ft. of total space 33,000 sq. ft. of cabinet space
SPACE CONFIGURATION	2 hall and 9MW total power, upgrdable to 13MW
YEAR BUILT	Data Hall A 2015 Data Hall B 2022
NUMBER OF FLOORS	One floor of office and infrastructure space
FLOOR LOAD	Data Hall A 1250 lbs Data Hall B 4250 lbs
CEILING CLEARANCE	Data Hall A 25 ft Data Hall B 19 ft
FLOOD PLAIN	8 km away from nearest natural water source
LOADING DOCK	Dedicated loading dock

POWER

SERVICE	Dual 13.2KV lines from the same substation. Each line has a maximum capacity of 8MW
POWER PROVIDER	Enmax
ENTRANCES	Two separate feeds from a single substation
DENSITY DESIGN	Up to 30kW per cabinet available standard. Higher densities available upon request.
UPS	2N UPS architecture
BACKUP GENERATORS	4 x 3MW Diesel generators with power distribution set up in an A + B + C + D configuration (shared redundancy)
FUEL RUN-TIME	Minimum 30 hours run time based on generator full capacity (3MW)

CONNECTIVITY

MEET ME ROOM	Two Meet-Me-Rooms
CONNECTIVITY	Network neutral with access to 35+ carriers 4 POEs
IP SERVICES	Blended IP bandwidth
FIBER AND COPPER CROSS CONNECTS	Yes

SECURITY

PERIMETER	Protected by a combination of cameras, bollards, wire fencing and phyisical 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. Data Hall A 8x165 kW units in N+1 configuration Data Hall B 20x250 kW units in N+1 configuration
REDUNDANCY	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)