eStruxture | CAL-2 Data Center

Our state-of-the-art **CAL-2 Data Center** is designed to Tier III standards and delivers both best in class availability and design flexibility to accommodate the high power densities of today's most intensive workloads. The facility is located in the High Plains Industrial Park in Balzac, only 15 km away from the Calgary Airport.

With fully diverse inter-site connectivity between our **CAL-1** and **CAL-2** facilities and 23 km distance between the sites, CAL-2 is ideally situated to support conventional fiber optics technologies and synchronous replication while also providing diverse power grid capability. Designed with energy efficiency and sustainability in mind, our **CAL-2** facility perfectly combines security, scale, and power capacity. The building allows for a wide variety of data center options, from individual racks to dedicated halls with associated office, storage and DR space.

CAL-2

CAL-1

KEY FACTS

ADDRESS

149 High Plains Place,
Rocky View County, No 44, AB, T4A 0W7
Lat: 51.20151330816191 | Long: 113.93273314453539

SITE OVERVIEW

Building: 92,839 sq. ft.

BUILDING DETAILS

- 24/7/365 video surveillance and monitoring
- Site completely secured by perimeter fencing, security monitored with controlled gates
- Shared and dedicated suites available
- Customer office, DR, and storage spaces available

POWER AND INFRASTRUCTURE

- 3 halls and 20MW total power with future expansion possibilities
- Supports 30kW/cabinet power loads
- Tier III, N+1 mechanical and N+1/2N electrical systems for concurrent maintainability

CONNECTIVITY

- Cloud and carrier neutral
- 30+ carriers via direct fiber connectivity to CAL-1
- Connected by redundant and path-diverse fibre ring to eStruxture's CAL-1 facility for even greater connectivity and diversity options

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-2 data center**, offers the benefit of strong connectivity and low power cost.

SCALE AND FLEXIBILITY | 100% UPTIME GUARANTEED
CONCURRENTLY MAINTAINABLE | ENGINEERING EXCELLENCE
SECURITY AND COMPLIANCE

CAL-2 DATA CENTER SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS

SPACE	92,839 sq. ft.
SPACE CONFIGURATION	3 halls and 23MW total power, upgradable to 26MW
YEAR BUILT	Building - 2021 Data Center - 2022
NUMBER OF FLOORS	One floor of office and infrastructure space
FLOOR LOAD	Slab capacity 1,750 lbs/sq. ft. Raised floor load 750 lbs/sq.ft.
CEILING CLEARANCE	Slab to deck 32' Raised floor to deck 28'
FLOOD PLAIN	Outside 100 year floodplain
LOADING DOCK	2 truck bays with level access to receiving area. Additional multi-truck covered receiving bays available upon request
RECEIVING AREA	Yes

POWER

SERVICE	Single feed high voltage utility
POWER PROVIDER	Fortis
ENTRANCES	Power feed from a single substation
DENSITY DESIGN	Up to 30kW per cab available standard, higher densities available upon request
UPS	2N UPS architecture
BACKUP GENERATORS	2N configuration
FUEL RUN-TIME	Minimum of 24 hours of on site fuel storage at full load with diverse fueling contractor arrangements. Ability to increase the 24-hour fuel storage

FIRE PROTECTION

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

SECURITY

PERIMETER	Data center perimeter and equipment yard secured by fencing. Gates controlled by central security.
VIDEO	CCTV coverage across multiple cameras. All footage stored for minimum 90 days
ON-SITE STAFFING	24 / 7 / 365
ACCESS	24/7 access for registered customers. Card and biometric access control at mantraps. Additional cabinet, cage or data hall security available upon request
MANTRAPS	Yes

CONNECTIVITY

MEET-ME-ROOM	2 redundant Meet-Me-Rooms fed by diverse facility entrances
CONNECTIVITY	Network/carrier neutral with access to 40+ carriers
IP SERVICES	Managed Bandwidth with eStruxture
FIBER CROSS CONNECTS	Yes
COPPER CROSS CONNECTS	Yes

ENVIRONMENTAL CONTROLS

COOLING DISTRIBUTION	Each data hall is serviced by mechanical corridors. Supply air is fed through a raised floor plenum. Custom solutions available upon request.
COOLING CAPACITY	Varies based on densities. Hall level and individual cabinet level cooling solutions available.
REDUNDANCY	N+1 mechanical redundancy
DESIGN	Highly energy efficient cooling

CERTIFICATIONS / COMPLIANCES

SOC 1 Type II, SOC 2 Type II, PCI DSS, ISO 27001, UTI Tier III by Design