

eStruxture

D A T A C E N T E R S

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.



KEY FACTS

ADDRESS

High Plains Industrial Park
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. (7,322 m²)

BUILDING DETAILS

- 3 halls and 30MW total power
- Future expansion possibilities
- Supports 30kW/cabinet power loads
- 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

- 30MW facility with power expansion possible
- Tier III, N+1 mechanical and N+1/2N electrical systems for concurrent maintainability

CONNECTIVITY

- Cloud and Carrier Neutral
- 40 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.
LAND SPACE	190,000 sq. ft.
SPACE CONFIGURATION	3 halls and 30MW total power
YEAR BUILT	- Building - 2021 - Data Center - 2022
NUMBER OF FLOORS	Single floor
FLOOR LOAD	- Slab capacity 1,750 lbs/sq. ft. - Raised floor load 750 lbs/sq.ft.
ROLLING LOAD	- 10 passes - 2,700 lbs/1,225 kg. - Additional weight capacity attainable.
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.

CONNECTIVITY

MEET ME ROOM	2 redundant Meet-Me-Rooms fed by diverse facility entrances.
CONNECTIVITY	Network/carrier neutral with access to nearly 40 carriers
IP SERVICES	Managed Bandwidth with eStructure multi-homed internet services.
FIBER 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. - High-density cooling available
REDUNDANCY	N+1 mechanical

CERTIFICATIONS/COMPLIANCES

CERTIFICATIONS	- SOC 2, Type 2 (planned for Q4, 2022) - ISO 27001 (planned for Q4, 2022) - PCI DSS (planned for Q4, 2022) - Canadian Federal Government Facility Clearance (planned for Q4, 2022)
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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/N+1 UPS architecture
BACKUP GENERATORS	- 2N configuration
FUEL RUN-TIME	- Minimum of 24 hours of on site fuel storage at full load - Diverse fueling contractor arrangements. - Ability to increase the 24-hour fuel storage option

SECURITY

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

FIRE PROTECTION

PROTECTION SYSTEM(S)	Multi-zone VESDA system.
FIRE SUPPRESSION	Pre-action dry pipe zoned sprinkler system.
FIRE DETECTION	Fully addressable fire detection system installed throughout the facility.

