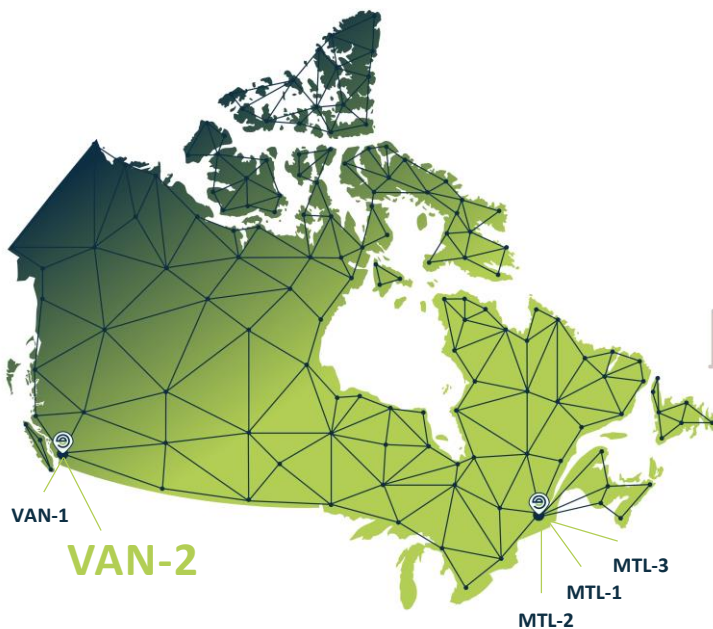


# eStruxture

D A T A C E N T E R S

## eStruxture – Vancouver 2 Data Center

eStruxture's **VAN-2** data center is set within a 54,000 square foot facility located next to stable, plentiful power and existing, dense fiber optic infrastructure. VAN-2 enhances redundancy for eStruxture customers, thanks to a dedicated fiber ring between VAN-1 and VAN-2 facilities, as well as direct connectivity to Vancouver's primary carrier hotel at 555 Hastings.



### KEY FACTS

#### ADDRESS

4590 CANADA WAY, BURNABY

#### SITE OVERVIEW

- BUILDING - 54,000 sq. ft.
- LAND - 83,000 sq. ft.



#### BUILDING DETAILS

- 2 halls and 7MW of critical IT load
- Supports up to 30kW/cabinet power loads
- 24/7/365 video surveillance and monitoring
- Shared and dedicated suites available
- Customer office, DR and storage spaces available



#### POWER AND INFRASTRUCTURE

- 10MW service entrance
- 7MW critical IT load



#### CONNECTIVITY

- Carrier and Cloud Neutral
- All major carriers on site

The **VAN-2** data center boasts over 25,000 square feet of server cabinet space, electrical distribution, cooling, and backup UPS and diesel generator systems. It's located close to the British Columbia Institute of Technology (BCIT) and the Trans-Canada highway.

Prime Location | High-Density | Major Carriers on Site

VAN-1 and VAN-2 Sites Interconnected

# VAN-2 DC SPECIFICATIONS

## BUILDING AND LAND SPECIFICATIONS

SPACE	25,00 sq. ft. of cabinet space 54,000 sq. ft. total space
LAND SPACE	83,000 sq. ft.
SPACE CONFIGURATION	2 halls and 7MW of critical IT load
YEAR BUILT	1966
NUMBER OF FLOORS	single story warehouse and two-story office space
FLOOR LOAD	up to 200 lb/sq. ft.
CEILING CLEARANCE	25'
FLOOD PLAIN	25 m above sea level
LOADING DOCK	1 loading dock accommodating a full trailer at 4' ramp height
RECEIVING AREA	200 sq. ft. secured space inside building cage

## POWER

SERVICE	10MVA 25KV served from a single sub station
POWER PROVIDER	BC Hydro
ENTRANCES	power feed from a single substation
DENSITY DESIGN	up to 30kW per cab available standard. Higher densities available upon request
UPS	N+1 UPS architecture 2N solution available upon request
BACKUP GENERATORS	N+1 on generators 2N solution available upon request
FUEL RUN-TIME	48 hours at full load for basis of design

## CONNECTIVITY

MEET ME ROOM	two diverse Meet Me Rooms
CONNECTIVITY	network neutral with access to all major carriers
IP SERVICES	managed bandwidth with eStructure managed AS number and IP range
FIBER CROSS CONNECTS	yes

## SECURITY

PERIMETER	10' security fence
VIDEO	CCTV coverage across multiple cameras. All footage stored for minimum 90 days
ON-SITE STAFFING	Security officer, 24x7 data center staff
ACCESS	24/7 access for registered customers. Electronic and monitored key card and PIN access control at mantraps
MANTRAPS	yes

## ENVIRONMENTAL CONTROLS

COOLING DISTRIBUTION	hot aisle/cold aisle containment raised floor plenum
COOLING CAPACITY	Liebert DSE 165kW refrigerant based modular systems with condensers on roof and CRACs in data halls
REDUNDANCY	N+1 mechanical redundancy
DESIGN	N+1 mechanical design based on optimal free cooling

## FIRE PROTECTION

PROTECTION SYSTEM	VESDA system
ON-SITE FIRE SUPPRESSION	pre-action fire and smoke suppression

