



eStructure | VAN-3 Data Center

eStructure's **VAN-3** data center is set within a 55,000 square foot facility located next to stable, plentiful power and existing, dense fiber optic infrastructure. VAN-2 enhances redundancy for eStructure customers, thanks to a dedicated fiber ring between VAN-1 and VAN-3 facilities, as well as direct connectivity to Vancouver's primary carrier hotel at 555 Hastings. The facility is set to launch during 1H2021.



KEY FACTS

ADDRESS

4590 Canada Way, Burnaby
Lat: 49.254484 | Long: 122.997240

SITE OVERVIEW

- Building - 55,000 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 facility
- 7MW critical IT load



CONNECTIVITY

- Cloud and Carrier neutral
- All major carriers on site
- Diverse dark fiber ring to downtown Vancouver carrier hotel

The **VAN-3** 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-3 Sites Interconnected

VAN-3 DC SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS

SPACE	25,000 sq. ft. of cabinet space 55,000 sq. ft. total space
LAND SPACE	83,000 sq. ft.
SPACE CONFIGURATION	2 halls and 7MW of critical IT load
YEAR BUILT	1974
NUMBER OF FLOORS	Single story warehouse and two-story office space
FLOOR LOAD	Up to 200 lb/sq. ft.
CEILING CLEARANCE	25'
FLOOD PLAIN	82' (25m) 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 eStruxture managed AS number and IP range
FIBER & COPPER 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, 24/7 data center technicians, regional site manager and facilities 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(S)	VESDA system
FIRE SUPPRESSION	Pre-action fire and smoke suppression

CERTIFICATIONS

CERTIFICATIONS	SOC 2 Type 2 certification (pending)
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