



eStructure

DATA CENTERS

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, BC V5G 1J6
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		SECURITY	
SPACE	- 25,000 sq. ft. of cabinet space - 55,000 sq. ft. total space	PERIMETER	10' Security fence
SPACE CONFIGURATION	Two halls and 7MW of critical IT load	VIDEO	CCTV coverage across multiple cameras. All footage stored for minimum 90 days.
YEAR BUILT	1974	ON-SITE STAFFING	Security officer, 24 / 7 data center technicians, regional site manager and facilities staff
NUMBER OF FLOORS	- Two single story warehouse - Two-story office space	ACCESS	24 / 7 access for registered customers electronic and monitored key card and PIN access control at mantraps
FLOOR LOAD	Up to 200 lbs. / sq. ft.	MANTRAPS	Yes
CEILING CLEARANCE	25' 0"	CONNECTIVITY	
FLOOD PLAIN	82' above sea level	MEET ME ROOM	Two Meet-Me-Room
LOADING DOCK	1 loading dock accommodating a full trailer at 4' ramp height	CONNECTIVITY	Network neutral with access to all major carriers
RECEIVING AREA	200 sq. ft. secured space inside building cage	IP SERVICES	Managed bandwidth with eStruxture managed AS number and IP range
POWER		FIBER CROSS CONNECTS	Yes
SERVICE	Served by three utility feeds to building with single path electrical distribution to the data halls	COPPER CROSS CONNECTS	Yes
POWER PROVIDER	BC Hydro	ENVIRONMENTAL CONTROLS	
ENTRANCES	Three utility feeds to building	COOLING DISTRIBUTION	Hot aisle/cold aisle containment. Raised floor plenum
DENSITY DESIGN	Up to 10 kW per cabinet	COOLING CAPACITY	Liebert DSE 165kW refrigerant based modular systems with condensers on roof and CRACs in data halls
UPS	N and N+1	REDUNDANCY	N+1 mechanical redundancy
BACKUP GENERATORS	N	DESIGN	N+1 mechanical design based on optimal free cooling
FUEL RUN-TIME	48 Hours		
FIRE PROTECTION		CERTIFICATIONS / COMPLIANCES	
DETECTION SYSTEM(S)	VESDA system	- SOC 2 Type 2 certification (pending)	
FIRE SUPPRESSION SYSTEM(S)	Pre-action fire and smoke suppression		

