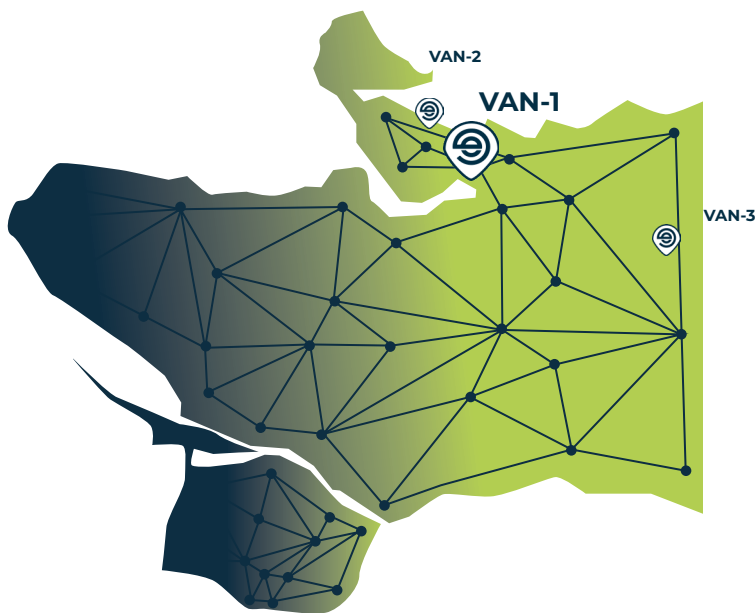


eStructure

D A T A C E N T E R S

eStructure | VAN-1 Data Center

eStructure's **VAN-1 Data Center** is set within a 10,000 sq. ft. custom facility, and includes 7,500 sq.ft. of server cabinet space, electrical distribution, cooling, and backup UPS and diesel generator systems. The facility is located in Mount Pleasant, adjacent to the Vancouver downtown core and a hotbed for multimedia studios.



KEY FACTS

ADDRESS

55 7th Avenue E
Vancouver, BC, V5T 1M4
Lat: 49.264910 | Long: -123.103760

SITE OVERVIEW

- 7,500 sq. ft.



BUILDING DETAILS

- 24/7/365 video surveillance and monitoring
- Shared and dedicated suites available
- Customer office and storage spaces available



POWER AND INFRASTRUCTURE

- 4 halls and 2.4MW of critical IT load
- Supports up to 30kW/cabinet power loads
- Tier I, N+1 UPS solution available



CONNECTIVITY

- Carrier-neutral with diverse facility entrances
- 4 on-net, and 13 in-metro carriers

The innovative design of our **VAN-1** facility was conceived with rigorous security and structural integrity in mind. The building is a cement bunker, with a 12" thick seismic shear wall spanning its core.

In addition to providing the utmost security, VAN-1 prides itself on being an environmentally-conscious facility with sensors that continuously monitor humidity, temperature and airflow for optimal visibility.

Prime Location | High-Density | Major Carriers on Site

VAN-1 DATA CENTER SPECIFICATIONS

BUILDING AND LAND SPECIFICATIONS		SECURITY	
SPACE	Building: 10,000 sq. ft.	PERIMETER	24/7/365 building security guards Security vestibule
SPACE CONFIGURATION	Up to 4 halls and 2.4MW of critical IT load	VIDEO	CCTV coverage across multiple cameras. All footage stored for minimum 90 days
YEAR BUILT	1974	ON-SITE STAFFING	Druing business hours and on call
NUMBER OF FLOORS	Single building with 3 floors of office and infrastructure space	ACCESS	24/7 access for registered customers. Card and facial biometrics access control
FLOOR LOAD	Up to 200 lb/sq. ft.	MANTRAPS	Yes
CEILING CLEARANCE	9' to 12'	CONNECTIVITY	
FLOODPLAIN	79' (24 m) above sea level	MEET-ME-ROOM	2 redundant Meet-Me-Rooms
LOADING DOCK	Loading bay with double-width doors and freight elevator that can be loaded directly from an external loading ramp	CONNECTIVITY	Network neutral with access to 4 carriers
RECEIVING AREA	Secure receiving area	IP SERVICES	Managed Bandwidth with eStruxture managed AS number and IP range
POWER		FIBER CROSS CONNECTS	Yes
SERVICE	Single high voltage entry with a dedicated 2.5MVA unit substation. 600v-3ph/208v- 3ph/208v-1ph/120v available	COPPER CROSS CONNECTS	Yes
POWER PROVIDER	BC Hydro	ENVIRONMENTAL CONTROLS	
ENTRANCES	Power feed from a single substation	COOLING DISTRIBUTION	Hot aisle/cold aisle containment cabinets with rear door radiator cooling configurations
DENSITY DESIGN	Up to 30kW per cabinet available standard. Higher densities available request	COOLING CAPACITY	40 Ton mechanical Loop1, N+1 250 Ton Mechanical Loop2
UPS	2N solution available upon request	REDUNDANCY	N+1 mechanical redundancy
BACKUP GENERATORS	2N solution available upon request	DESIGN	Mechanical design based on optimal free cooling (8+ months/year)
FUEL RUN-TIME	Minimum of 28 hours on site fuel storage at full load		
FIRE PROTECTION		CERTIFICATIONS / COMPLIANCES	
DETECTION SYSTEM(S)	VESDA system	SOC 2 Type I, SOC 2 Type II, ISO 27001, PCI DSS Certification	
FIRE SUPPRESSION SYSTEM(S)	Novec clean agent fire supression system		

