Hyper-Efficient Data Centre – Home to VANIX VAN 2: 1050 West Pender Street

The data centre at 1050 West Pender is Cologix's newest expansion in downtown Vancouver, providing hyper-efficient, low cost data center solutions and robust connectivity. The site is 6 blocks from the city's primary carrier hotel at the Harbour Centre, which houses Cologix's VAN 1 data centre. As Vancouver's leading colocation provider, Cologix provides connectivity to 20+ unique networks and direct access to the Vancouver Internet Exchange (VANIX). Vancouver is increasingly viewed as a natural redundant data centre site for networks established by enterprises in Eastern Canada, Asia and the U.S.

The Top Connectivity Provider in Vancouver
The data centre has multiple unique carrier points of presence (PoPs) in the Cologix-controlled Meet-Me-Room (MMR) and is home to the primary node for VANIX. The network neutral facility is also connected to the carrier hotel at 555 West Hastings by a low latency, controlled diverse path, dark fibre ring. As such, carriers can seamlessly extend their networks and customers have active or passive connectivity to 20+ unique carriers.

Relentless & Scalable Infrastructure
The VAN 2 data centre was designed to N+1 redundancy and built leveraging principles for concurrent maintainability. The facility also features cutting edge technologies including innovative "free cooling" solutions and efficient heat management through ceiling plenum using chimney cabinets. The site is fully optimized with hyper-effective cooling, utility power and emergency generator power systems to ensure a reliable and redundant infrastructure. The UPS is also designed to support A+B configurations with multiple generators for backup.

Certified & Secure
The Cologix data centre is manned 24/7 by security guards as well as a tailgate-proof mantrap, S2 keycard, biometric, and closed-circuit TV (CCTV) systems. The data centre has the following attestation reports: SOC 1, SOC 2, HIPAA and we are PCI compliant

Dynamic Customer Support
As a differentiated local service model, all customers have direct and 24/7 access to seasoned local engineers and support teams, in addition to a web-based portal for online technical support ticket submissions. Local Cologix technicians also leverage the Cologix Command data centre infrastructure management (DCIM) platform to continually monitor service to ensure business continuity, alerting customers with options when nearing capacity.

Tour the Data Centre:
1050 West Pender Street
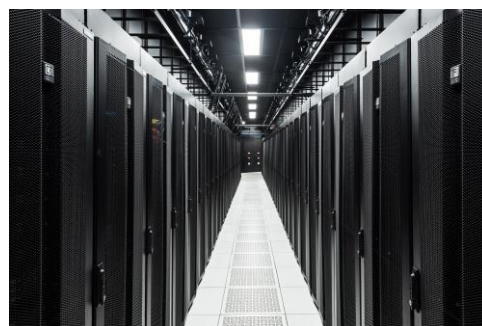Vancouver, British Columbia V6E 3S7

To schedule, contact:
Sales@cologix.com or
+1.855.497.2537

Quick Facts:
- Network neutral access to 10+ unique carriers on-site plus 20+ networks at the Harbour Centre via diverse fibre ring
- Home to the primary node of the Vancouver Internet Exchange (www.vanix.ca)
- Standard cabinet & secure cage deployments available
- Highly efficient, green cooling leveraging air side economizers, free cooling & chimney cabinets via ceiling plenum
- Supports 5+ kW per cabinet
- A+B UPS & N+1 backup generator
- Lounge, tech workspace & conference rooms available
- SOC 1 (SSAE18/ISAE3402), SOC 2, HIPAA, PCI DSS

Site Information

Vancouver 2 Space:	15,000 SQF
Total Vancouver Space:	20,000 SQF
Space Configurations:	Custom cabinets & cages including deep 42U cabinets (78" H x 24" W x 48" D)
Pod Configurations:	Chimney cabinets
Floor Type:	21" anti-static raised floor
Freight Elevator:	(1) service elevator: 3,000 lbs, 6'9" x 5'
Roof Rights:	On request

Site Structure

Year Built:	1973
Number of Floors:	22 floors
Structure Type:	Reinforced concrete
Exterior Type:	Brick
Seismic Rating:	Seismic Zone 4
In Flood Plain:	No
Ceiling Clearance:	15'

Security

Compliance Audits:	SOC 1 (SSAE18/ISAE3402), SOC 2, HIPPA, PCI DSS
Closed-Circuit TV:	Yes
Customized Security:	Yes, for dedicated cages or suites
On-site Guards:	Yes, 24/7
Access:	Biometric & S2 keycard access
Man Traps:	Yes, anti-tailgating circle lock

Fire Protection

Fire Protection:	In-room, cross-zoned VESDA
Fire Suppression:	Dual interlocked pre-action dry-pipe
Remotely Monitored:	Yes

Environmental Controls

Cooling System:	Efficient heat management through ceiling plenum using chimney cabinets
Cooling Capacity:	180 tons (N+1)
Cooling Type:	Perimeter free cooling CRACs Dx units with airside economizers
Redundant:	N+1 CRAC units
Humidification:	Steam

Connectivity

Meet-Me-Room (MMR):	Yes, Cologix controlled
Network Neutral:	Yes
Fibre Entrance:	Diverse building fibre entrance & riser facilities / carriers + dedicated Cologix fibre riser
Fibre Cross Connects:	Yes, in controlled MMR
Copper Cross Connects:	Yes, in controlled MMR
Metro Connect:	Passive waves & lit connections to 555 W. Hastings
Internet Exchange:	Home to the primary node for the Vancouver Internet Exchange (VANIX)
Communications:	2 diverse communication risers

Power

Uninterruptible Power Supply (UPS):	2X 750 kW Mitsubishi
Load Design:	150 watts per SQF (high density configurations available)
Configurations:	N (primary UPS, N+1 generators), A+B (2N UPS, N+1 generators)
Entrances:	1 power entrance facility
Automatic Transfer Switch (ATS):	Yes, N+1
Battery Type:	Valve-regulated lead-acid battery (VRLA)
Battery Redundancy:	Minimum N+1
Battery Monitoring:	Canara
Backup Generators:	Yes, N+1
Fuel Run-Time:	Diesel, minimum 24-hours at full load
Remotely Monitored:	Yes

Site Utility

Electric:	12.5 kV primary
Utility Provider:	BC Hydro
Redundant Power Feeds:	Utility automatic transfer switch (ATS) on both feeds prior to building entrance
Power from Substation:	2 MW
Service to Site:	8" main
Nominal Pressure:	90 psi

Customer Support

Remote Hands:	Yes, 24/7
Support:	+1.855.4IX.HELP (+1.855.449.4357), option 3, or Support@Cologix.com
Sales:	+1.855.497.2537, or Sales@Cologix.com

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