

APTUM DATA CENTERS: SCALABLE, FLEXIBLE, RELIABLE KIRKLAND DATA CENTER

Count on the Kirkland Data Center as part of your ideal hybrid colocation infrastructure

Located in Montreal, Quebec, the Kirkland Data Center is designed to Tier III standards, supported with a 100% uptime guarantee, and delivers the ideal combination of cloud, connectivity and **colocation** facilities with complementary managed services.



ASTONISHING AFFORDABILITY

Montreal offers some of the lowest power rates in the world. Combine that with the state-of-the-art energy efficiencies offered by the Kirkland Data Center and you're left with cost savings that are hard to resist. And by saving on energy costs, you will free up more room in your budget for new needs you will encounter as your business grows. Whether that means more power, more storage or more management, you will find everything you need to expand at the Kirkland Data Center.



TIER III STANDARDS

Designed to exceed Tier III standards, the Kirkland Data Center supports a 100% uptime guarantee with all power supplies, fire suppression systems, core network routers and cooling units designed to meet N+1 redundancy. With access to an advanced suite of colocation, cloud, backup and connectivity services all in the same facility, you will be equipped with a safe and secure location to host your core and legacy IT systems.



MAXIMUM SCALABILITY

Need scalability to ensure peace of mind for future growth? We've got you covered. The Kirkland Data Center is equipped with 100,000 sq. ft. of flexible capacity and the ability to scale beyond 16.5MW. Our systems are also designed to leverage the elasticity and scalability of the cloud for new emerging applications, all enabled by a simple cross-connect between new and legacy hardware.



If you're seeking proven scalability, flexibility and reliability, count on the Kirkland Data Center for your colocation needs.



BUILDING DETAILS

- Data center operational capacity: 100,000 sq. ft.
- Power and communication cabling below floor, separate stratification layers for power, fiber cables, UTP cables
- Cage space available (minimum 180 sq. ft.)
- Located approx. 25 km. from downtown Montreal, ideal secondary site for disaster recovery and offsite backup requirements
- Owned and operated solely by CP1

COOLING

- N+1 redundancy on all mechanical components
- All mechanical systems powered through Diesel Rotary UPS technology
- Hybrid water mist and double interlocked pre-action dry pipe fire suppression system v3 x state-of-the-art high capacity chillers with A-B-C closed loop configuration feeding 14 CRAH (Computer Room Air Handlers), each with a glycol heat exchanger with dry coolers in the mechanical yard
- Hot/Cold aisle setup with hot aisle containment cabinet pods

SECURITY

- Centralized Card Access Control System with Dual Factor Biometric Authentication
- 24x7 security
- Full access control system with proximity card readers
- Advanced video surveillance, 90 days of video retention
- Mantrap entry system to prevent tailgating

POWER

- Minimum N+1 mechanical infrastructure
- Primary utility feed of 4.5 MW (Total planned capacity for site is 16.5 MW)
- UPS: Hi-Tec Diesel Rotary UPS system (DRUPS)
- Diesel DRUPS system generator with N+1 redundancy
- On-site diesel fuel storage for a minimum of 72 hours
- Cabinet power is 3 phase 240V 20A – monitored through in-cabinet PDU

COMPLIANCE

- SOC 1 Type II audited for colocation services
- PCI v3.2 certified for colocation services

CONNECTIVITY

- Carrier-neutral
- Direct access to low-latency, reliable and redundant connectivity
- 10 Gbps ready network and multiple entry points for communication
- Two diverse Carrier Meet Me Rooms for colocation of carrier network equipment and Aptum network equipment
- All network equipment is on dedicated UPS/battery backup to ensure uptime

EMERGENCY PREPAREDNESS

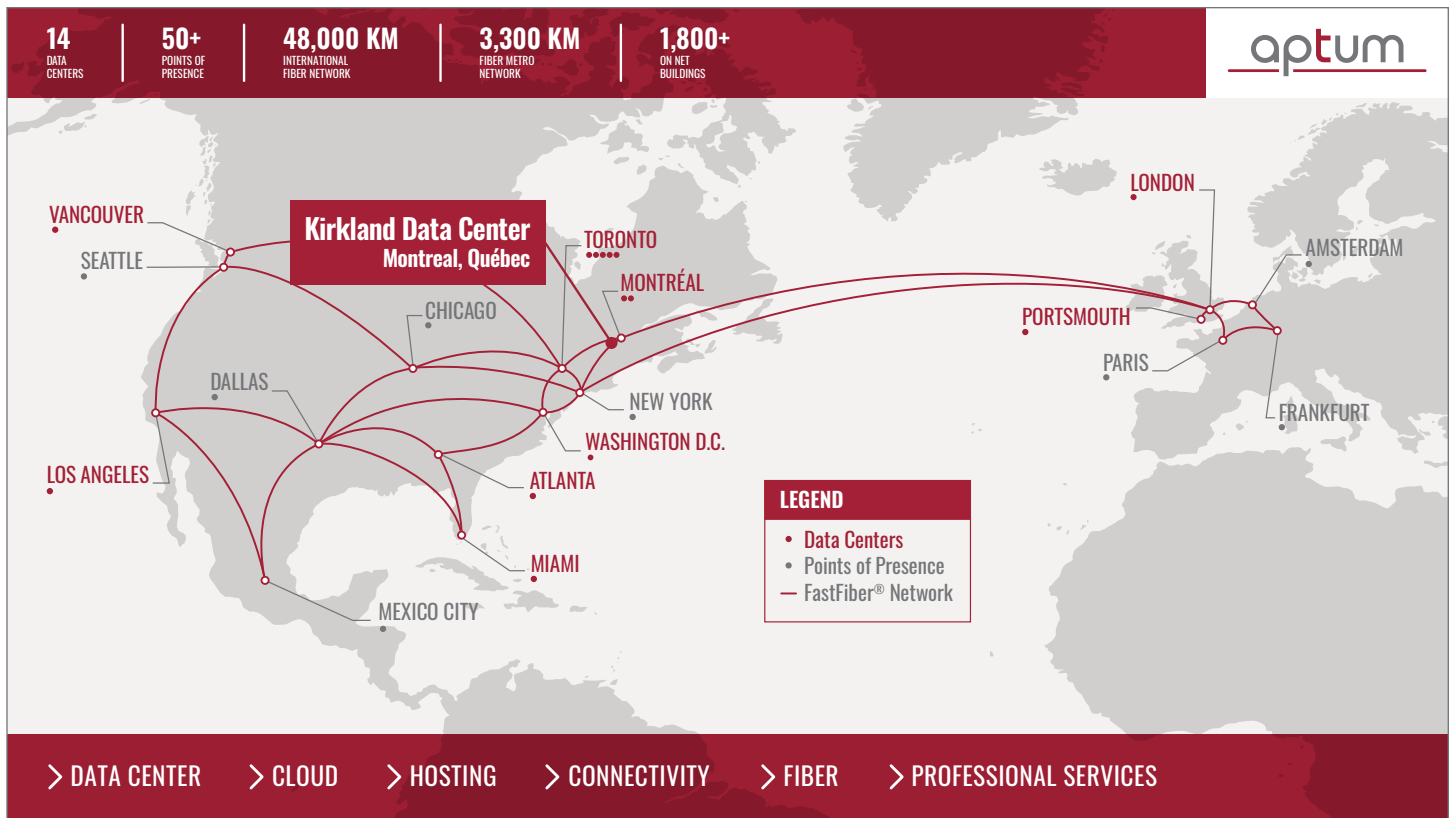
- 24x7 Network Operations Center (NOC) on-site
- 24x7 Smart Hands & Eyes availability for customers
- Generator power backup in the event of a power outage
- Disaster recovery requirements supported by our local Montreal NOC

AMENITIES & FAQS

- Customer lounge area available
- Loading bays
- Free parking available
- Shipping and receiving service
- Meeting room space

ADDITIONAL SERVICES

- [Connectivity Services](#)
- [Cloud Services](#)
- [Professional Services](#)
- [Security Services](#)



BUILDING SPECIFICATIONS

HEIGHT MEASUREMENTS	
Slab-to-Slab	18 ft. to 22 ft. between the 2 buildings
Ceiling	10 ft. from raised floor to drop ceiling
Raised floor	Approx. 10 in.

DESIGN FLEXIBILITY	
Space configuration	Rack/Cabinet
Cabinet/Rack standard	48RU Black Cabinet 24" W x 48" D x 84" H 30" W x 48" D x 84" H
Cabinets available	Up to 45RU
Floor load	1,500 lbs. per tile = 375 lbs. per sq. ft.

** Cage space available on request and approval. Custom cabinet sizes possible.*



Why Aptum Colocation Services?

INTERNATIONAL FOOTPRINT

Spanning North America and Europe, our international footprint of 12 colocation data centers is seamlessly connected, allowing you to access, manage and move large amounts of data worldwide on our wholly-owned, all-optical network and **FastFiber Network®**.

COMPLIANT AND SECURE

When it comes to security, we exceed every standard. Our Privacy Shield certification enables us to legally transfer personal data from the EU to the United States while meeting EU data protection requirements.

FLEXIBLE AND SCALABLE

In the world of colocation, scalability means the ability to add power, cooling and space as required and on demand, including advanced connectivity options. Our colocation facilities offer sufficient density capabilities, allowing you to upgrade in place as your infrastructure requirements grow.

ALWAYS THERE FOR YOU

Our global Network Operations Center (NOC) experts support customers 24x7x365, continuously monitoring and rerouting data for optimal low-latency routes. Likewise, our Smart Hands & Eyes services provide you with a team of highly trained IT professionals to assist with the day-to-day maintenance of your missioncritical infrastructure, also available 24x7x365.

Important workloads demand security, availability, compliance and connectivity. Aptum is a colocation partner you can count on to deliver it all.

TO LEARN MORE ABOUT HOW OUR SERVICES CAN HELP YOUR ORGANIZATION, PLEASE VISIT:

info@aptum.com
aptum.com

ABOUT APTUM TECHNOLOGIES

Aptum Technologies enables customers to unlock the potential of their data infrastructure to drive tangible business outcomes and maximize the value of their technology investments. Aptum's Data Center, Cloud, Hosting and Connectivity solutions, underpinned with expert Managed and Professional Services, offer genuine choice and adaptability combined with international reach spanning North America, Latin America and Europe. In Canada, through its Fiber business, Aptum is the first neutral host provider of turnkey small cell connectivity, augmenting an extensive metro network across Toronto and Montreal. Aptum is a portfolio company of Digital Colony, a global investment firm dedicated to strategic opportunities in digital infrastructure. For more information, visit www.aptum.com.