

LESS POWER TO WASTE. MORE POWER TO YOU.



ROOT Data Center provides next-generation retail and wholesale colocation to Canadian and international customers. Dedicated to challenge conventional designs, its engineers built two facilities that deliver the following key benefits:

- Future-proof environments that promises flexibility and rapid scalability.
- High density computing environments that accommodate up to 40kW per cabinet.
- Industry-leading 1.15 average PUE by leveraging the cool Quebec climate and innovative cooling technologies. Less power to waste means more savings to you.



ROOT | Data Center

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MONTREAL AS A STRATEGIC LOCATION

- **CONNECTIVITY.** Through on-net providers and ROOT's Metro Connect service, the Montreal facilities have access to dark fiber, over 50 carrier networks, and major public clouds.
- **DISASTER RECOVERY.** With facilities located 30km apart, organizations can rely on ROOT for active/active disaster recovery deployments.
- **POWER.** To minimize utility feed risks and ensure a reliable source of power, the two data centers are positioned within proximity to substations.
- **TRANSPORTATION.** The data centers are located within proximity to multiple highways and public transit systems, which allow for convenient access to the airport and downtown Montreal.



ROOT FACILITIES QUICK FACTS

With a critical infrastructure that meets or exceeds Uptime Tier 3 standards, MTL-R1 and MTL-R2 are 100 per cent concurrently maintainable.

MTL-R1 [16,000 sqft.]

- Currently accommodates up to 5MW of power capacity.
- Expandable to adjacent land and upgradeable to 15MW of power capacity.
- 20 minute drive from the Montreal International Airport and 10 minutes from the downtown core.

MTL-R2 [175,000 sqft.]

- Canada's largest data center: currently accommodates up to 20MW today and upgradeable to 50MW.
- 15 minute drive from the Montreal International Airport and 25 minutes from the downtown core.
- Dedicated customer offices and storage space.

REASONS TO CHOOSE ROOT

We've built a reputation as a next-generation colocation provider. For both wholesale and retail customers, ROOT provides unmatched deployment speed, energy efficiency and value, without compromising on a concurrently maintainable design.

RAPID SCALABILITY

Efficiently engineered, ROOT Data Center is capable of deploying 20 cabinets in less than 24 hours and executing large-scale deployments in 90 to 120 days.

INSOURCING. With in-house design, project management, and construction management, ROOT ensures full control over build schedule and eliminates third party delays.

DESIGN MODULARITY. Using factory pre-commissioned KyotoCooling, Eaton UPS, and SDMO generator solutions, ROOT's fixed-power and cooling design allows for plug-and-play expansion and makes it possible to synchronize equipment installation within a rapid project timeline.

STANDARDIZED INVENTORY. ROOT sources commercially available data center components to ensure a consistent design and build standard. This minimizes the likeliness of factory design error and reduces stock variety, increases inventory, and allows for rapid deployment.

HIGH DENSITY

ROOT provides a future-proof environment – up to 40kW of power per cabinet – for high-density equipment to grow within their footprints, prevent unnecessary consumption of cabinet space, and promote long-term savings. This is achieved through combining of a hot aisle containment design with an air-to-air exchange cooling system that eliminate for raised floors and allows for high-density cooling.

ENERGY EFFICIENCY AND AFFORDABLE GREEN POWER

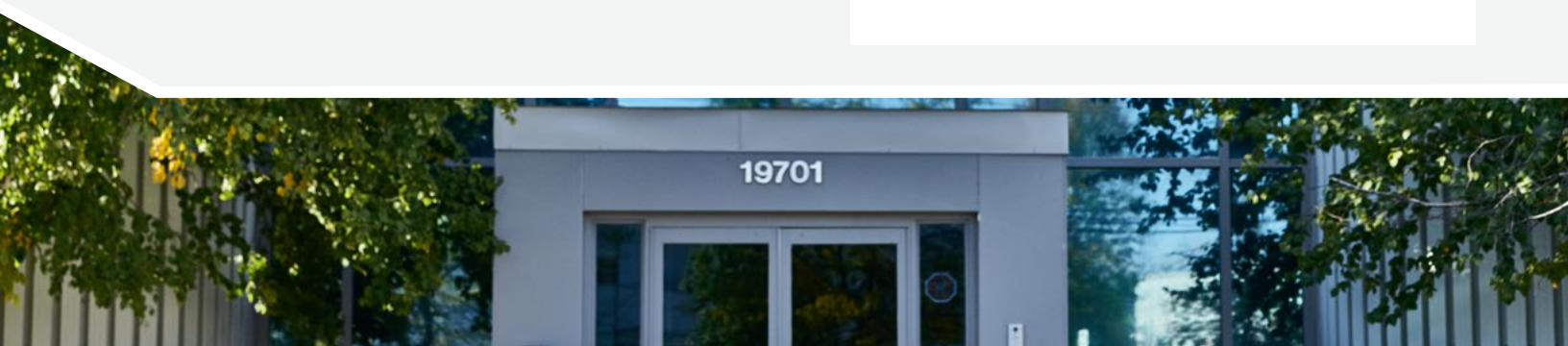
EFFICIENT COOLING TECHNOLOGY. ROOT boasts a 1.15 average PUE and achieves 100% free cooling when outside temperatures are under 22°C, and partial free cooling when outside temperatures are between 22°C and 30 °C. ROOT also eliminates the need for water cooling systems that waste millions of gallons of water per year, so customers save more and can feel good about deploying in a data center that minimizes its impact on the environment.

SUSTAINABILITY. Quebec's series of massive hydro-electric dams gives the province 99 per cent of its power – all of it is clean, renewable and reliable. The remaining sources are generated from renewable technologies like wind.

REDUCED COST. The pitch for doing business in Quebec is simple – invest here and bear the fruits of the lowest electricity rates in eastern North America. Additionally, the Quebec government has introduced a number of incentives, including tax incentives for economic development and reducing power costs as organizations grow, to encourage investment in the province.

DID YOU KNOW ONTARIO PAYS 4X AS MUCH FOR ELECTRICITY?

Ontario generates its power mostly from nuclear and coal. Its cost of power has been increasing over the past decade and is one of the highest in North America!



CONNECTIVITY

ROOT is a carrier-neutral data center provider. This means greater choice and flexibility in a competitive and collaborative data center ecosystem. Through on-net providers and ROOT's Metro Connect service, MTL-R2 has access to over 50 carrier networks, major public clouds, and fiber providers.

COMPLIANCE

- 100 per cent uptime guarantee and 24/7 onsite support.
- Compliant with industry standards including ISO27001, PCI DSS, SSAE 16, and CSAE 3416.
- Accommodate customers with industry specific compliance requirements, such as HIPPA or public sector clearances, through additional audit support.
- An innovative approach to data center design that enables customers to improve IT operations, reduce operational costs and accelerate growth.



ADDITIONAL SERVICES

To meet the needs of different IT organizations, ROOT offers remote hands, customizable colocation space, security, private office space, storage, and loading dock areas. Additionally, there is a Customer Portal for clients to communicate with ROOT staff at any time with a guaranteed response time of under 30 minutes.



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For more information on our colocation services and offerings, please visit rootdatacenter.com