

The RackForce GigaCenter

Secure & Ideally Located

RackForce delivers Hybrid Hosting services from our 'GigaCenter' in Kelowna, BC, Canada. Our services portfolio ranges from colocation through Cloud computing.

Kelowna is considered one of the best locations in North America to locate a datacenter. Its seismically stable geographic location, temperate climate and minimal probability of both natural and man-made events presents a very low risk profile. Kelowna advantages include abundant diverse fiber networks and reliable hydroelectric power. The city has an international airport and ample amenities.

The GigaCenter is a single story concrete building on a cul-d-sac (no through traffic), well isolated from risks such as heavy industrial facilities, highways or rail lines. It is secured and monitored 24x7x365 with alarms, cameras, biometric access points, man traps and a permanently staffed Network Operations Center. GigaCenter operations are SAS70 and CICA5970 certified.

Dynamic & Scalable

The GigaCenter's modular, scalable, efficient design supports Hybrid Hosting needs from basic to highly complex and demanding. We leverage features such as our innovative power and cooling infrastructure design, Cisco Nexus Data Center 3.0 network, GigaRacks and GigaVaults. This enables RackForce to support both current and future IT hardware such as high density blade chassis, high performance clusters, massive data storage and mainframe systems.

GigaCenter™ at-a-Glance

- Among lowest risk locations in North America
- Single story concrete building
- 30,000 square feet facility
- Capacity for 572 server racks
- Private racks and GigaVaults
- 2.4kVA to 25kVA per rack
- N+1 and 2(N+1) power options
- Ubiquitous 10Gbps Network
- Custom network solutions
- 100% Network SLA
- Green hydro power; 6MW available
- Eyes & Hands and SAN services
- SAS70 and CICA5970 certified

Colocation

Colocation packages range from 9U through customized GigaVaults in sizes from 12 to 160 racks. We support exceptionally high power densities, up to 25kVA per rack. Power options include both single path N+1 and dual path 2(N+1). Easily connect to our Cloud services on our secure 10Gbps internal network.

Various additional services are available, including 7x24 Eyes & Hands, SAN, offsite data backup and network bandwidth.

Green & Sustainable

A key RackForce goal is to make the GigaCenter among the greenest datacenters in operation.

Data centers in many areas are powered by coal-fired or natural gas electrical generation plants. These datacenters emit tremendous amounts of CO₂ as a bi-product of their power consumption. Tapping into British Columbia's abundant supply of clean hydroelectric power, the GigaCenter has a carbon footprint which is up to 50 times smaller than the average coal-powered North American datacenter.

Kelowna's temperate climate enables RackForce to leverage cool outside temperatures with our 'free cooling' chillers, up to 8 months of the year. Design choices like cold aisle containment and modular construction further reduce power use. And we operate technologies such as virtualization, unified fabric network, and cloud computing to optimize IT efficiency.



The RackForce GigaCenter

The GigaCenter

Among the lowest risk locations in North America
Single story concrete building; Wheelchair accessible
17,000 sq/ft raised floor; 30,000 sq/ft total space
6MW power
Redundant power & cooling infrastructure
Staff on-site 7x24
SAS70 and CICA5970 certified

GigaVaults

Modular, private dedicated suites
Hard-wall design
12 to 160 rack configurations
Customized power, cooling & security
2.4kVA to 25kVA per rack
Cold aisle containment
In-row coolers, backed by UPS

Optimal Network Connectivity

Up to 10Gbs network capacity
Carrier neutral access
Multi-homed Internet; Wholesale rates
Redundant fiber into building from diverse carriers
Converged Cisco Nexus Data Center 3.0 LAN
Unified I/O and fiber channel over Ethernet
Accelerated virtualization

Low Carbon Footprint

Powered by 'Green' hydro energy
Exceptionally efficient design
Free cooling chillers and advantageous climate

GigaRacks

Private colocation racks
Custom designed; unique features
Support up to 25kVA per rack
N+1 and 2(N+1) power options (single or dual path)
Choice of 9U, 25U, 42U and 51U space options
Chilled water to rack or server available
Choice of combination or key lock



Managed Services Available

Managed hardware support and monitoring
O/S patch management
Firewalls and load balancing
Offsite data backup
Scalable Cloud Storage services

Disaster Recovery & Resiliency

Colocation for client backup equipment
Data backup services
Virtual server recovery services
Support for VMware Site Recovery Manager (SRM)
Work area recovery space