



Designing and operating our own data centre means that we have the flexibility to customize solutions for our clients. We have the experience and technical expertise that allows us to leverage our investment and bring affordable solutions to market.

GridWay employs the Emerson **SmartAisle™** intelligent row-based rack solution. It integrates power, precision water/glycol cooling and control technologies in a highly efficient, flexible, and cost effective data centre platform.



Knurr DCM Rack System

- 42U with integrated intelligent Power Distribution Units
- Single and 3 phase power - 20 to 30 amp
- Receptacle, branch, and aggregate rack PDU power monitoring available
- Integrated environmental sensors
- Secure web and SNMP monitoring interfaces



Liebert CRV

- Redundant row cooling
- Rack sensors allow the CRV to adjust airflow and temperature to the proper operating conditions
- IntelliSlot Communication Cards provide SNMP and HTTP monitoring and control
- Digital Scroll technology provides infinitely variable capacity modulation to precisely match changing cooling demands
- Speed controllers on each motor eliminates single points of failure
- Modular air supply baffles may be adjusted any time cooling needs change



Liebert APM UPS

- High Efficiency FlexPower N+1 modular UPS
- Transformerless design – 94% efficient
- Capacity expansion in 15kW increments
- Secure web and SNMP monitoring





Power Availability

- Redundant Hydro grids feed facility with 2.8 MW of available power
- Toromont Cat generator technology
 - Unlimited runtime with 24 hour fuel supply
 - Hot fillup capable
 - 10 second auto start
 - Remotely monitored in a secure building



Hosted infrastructure

- Redundant clustered network switches and routers
- Clustered Dell and HP servers deliver maximum uptime and maintainability
- Hyper-V and VMWare hypervisors
 - Allows for incremental capacity upgrades
 - Facilitates disaster recovery with full VM or granular restore
- Multiple redundant SAN's
- Enterprise level backup systems with multiple tape libraries
- Iron Mountain offsite data protection



Network

- Redundant network fibre connections from multiple Tier 1 carriers
 - Automatic failure and load balancing
- Juniper, Cisco, and Barracuda firewalls, switches and link balancers



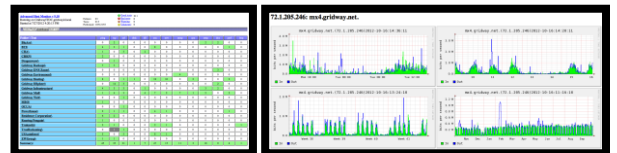
Security

- Monitored Alarm system with multiple fire, water, temperature, window and door sensors
- Internal security cameras - office and data centre
- Separate Secure Card access to office and data centre
- Escorted client access with separate work area for staging and repairs
- Data centre isolated from exterior building frame



Operations Centre

- 24 x 7 data centre and hosted services support
- Staffed by fully qualified technical staff
- Real time monitoring and alerts



- Network and environmental
- Room, system, and water temperature
- Humidity
- Power monitoring – Data centre, rack, PDU and branch level
- Application and network resources, bandwidth, queue length

About GridWay

GridWay provides Cloud Computing and IT Solutions to meet the needs of small to medium-sized businesses. Our Professional Services Division has been helping customers in the Ottawa area for over 17 years design, build and maintain their on premise IT infrastructures. GridWay also manages and operates its own data centre, the Ottawa Cloud Computing Centre, designed with state of the art server, network, and storage equipment. GridWay's customers include those in the medical, legal, accounting and high tech industries, along with not for profit and charitable organizations. Through our Managed Services Agreements, we are accountable for many unique and varied IT infrastructures, many of which have a blend of on premise and hosted solutions in place. GridWay's Help Desk is staffed by trained and certified technicians who can provide support for customers on a 24 x 7 basis.

Ottawa Cloud Computing Centre

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