



Mighty Oaks utilises the most secure data centres in Canada. Designated as a post disaster recovery centre, we offer highly customised fully supported cloud solutions suitable for commercial, government, and military applications.

Using Tier-1 hardware with online hot-standby you are assured the highest level of uptime.

OVERVIEW

With the transition to the cloud, there is growing interest in managed solutions from within a secure data centres. Mighty Oaks offers a variety of solutions using dedicated hardware and space in Victoria's most secure data centre.

MightyCloud

We provide highly customised solutions around your specific needs.

Servers:

- Tier-1 (IBM or Lenovo brand System X or ThinkServer hardware.
- Each server makes use of redundant hard drives and power suppliers.
- We then configure a second backup server that continually creates and maintains an active backup image.
- MS-Windows, Red Hat Enterprise Linux or CentOS based. We are also able to create highly customised solutions around your specific needs.
- Utilising industry leading Network Operations Centre Monitoring software we continually monitor resource utilisation, uptime and availability. Backed by our support team that is available 24x7x365.

Network:

- Your data is protected behind an Enterprise Grade Firewall that continually monitors all incoming and outgoing traffic.
- Malware protection continually updated as new threats emerge.

- Redundant and diverse data connections.

Impenetrable physical structure:

- Designed to withstand hurricane force winds.
- Designed to withstand a 9.5 magnitude earthquake.
- Elevation – 35 metres above sea level – is beyond the reach of any tsunami.
- Foundation built on solid igneous rock, 22km deep.
- Solid concrete and steel (I-Beam) construction.
- Roof immune to strong winds, intense rain, and heavy snow loads.
- No natural gas lines present within 150 metres of the building.

Sophisticated Communication:

- Multi-faceted network designed to maintain continuous communication whatever the situation.
- Critical, constant communications support for the data centre and disaster recovery operations ensuring network uptimes of a minimum of 99.9%.
- Multiple-carrier network connections provide redundant paths needed to virtually eliminate the risk of interruptions.
- Communication links to the building via fibre optic, wireless (microwave) and twisted pair.
- Attached to Government network.
- VHF, UHF, HAM radio, and satellite communications-ready.

Advanced Security:

- 24 hour a day offsite monitoring.
- Advanced camera surveillance system.
- All surveillance footage archived for later scrutiny.
- Vibration, motion, and glass break sensors continually verifying the security of the facility.
- Two level security, redundant proximity cards and biometric readers.
- Class 2 vault complex.
- Obligatory, full police background checks performed for all staff.
- Onsite visitors escorted at all.

Fire detection/suppression:

- Sophisticated fire detection system monitored 24 hours a day to enable immediate intervention.
- Zoned system delivers fire suppression to affected areas only.
- Pre-actioned, vacuum charged sprinkler system, means no chance of accidental damage caused from pipes leaking or rupturing.
- Waterless clean agent fire suppression – CO2 and Novec 1230 – in data centre and vault complex.
- Strict preventative policies and procedures virtually eliminate the chance of fire.

Continuous power:

- Infrastructure in place, with comprehensive redundant failovers, to ensure uninterrupted service.

- Multiple UPS units providing clean, continuous power to sensitive data centre equipment.
- Multiple onsite diesel back-up generators.
- Sufficient fuel reserves for continuous power generation.
- Onsite inventory of parts.

Emergency Preparedness:

- Facility designed and provisioned to be entirely self-sufficient for extended periods of time.
- Onsite reserves of fuel, rations, cots, and chemical toilets.
- Transport Canada certified rooftop heliport.
- Helicopter access to the facility for staff, clients and supplies in the event that roads are impassable.
- Allocated boat access to and from Vancouver Island for staff, clients, and supplies in the event that Victoria International Airport and BC Ferries services are interrupted.

PARTNER FACILITIES

Beyond the Victoria facility, through our Peer-1 partnership we offer access to 18 leading data centres in Canada, the US, Europe and Asia. This permits us to build geo-distributed solutions as needed.

To Learn more contact:

Mighty Oaks
27 Burnside Road West
Victoria, BC, Canada V9A 6Z7
250-386-9398
info@mightyoaks.com