

LDC01 Facility Specifications

Location	Lethbridge, Alberta
Completion	June 2011
Phase 1 footprint	Approx. 12,000 ft ²
Phase 2 footprint (future)	Additional 10,000 ft ²
Building type and construction	Dedicated, purpose-built, slab-on-grade pre-cast concrete
Phase 1 utility power	City of Lethbridge, 2.5 MW
Phase 2 utility power (future)	Additional 2.5 MW (5 MW total)
Phase 1 generator power	Single Cummins 1500 KW
Phase 1 UPS	2x APC Symmetra MW, 800 KW each, 2(N + 1) redundant
Phase 1 cooling system	Chilled glycol, 2x 160 ton Daiken/McQuay chillers, 2x dry coolers
Phase 1 colocation area footprint	Approx. 7344 ft ²
Colocation Pod 1 configuration	In-row cooling, hot aisle containment, 12.5 KW per rack, APC AR3150 racks, APC 7868 PDUs
Fire detection and suppression	3M Novec 1230 clean agent, multi-stage with VESDA
Access control	Multi-zone, 2 factor on exterior entrances, all access logged and auditable
Surveillance	IP camera system, long term retention
External connectivity	3 diverse fibre paths, on-net with Shaw and TELUS, connectivity to Whipcord TOR01 and VAN01 locations
Internal connectivity	Meet-Me room with SM/MM/copper connectivity, carrier-grade Juniper switching and routing infrastructure
Internet connectivity	Multi-homed BGP Internet service available. Upstream providers include TELUS, Hurricane Electric, Cogent, GTT.