

MCW
MCW Consultants Ltd.





“Creating the environment our Client’s require to live, educate, work, play and heal”

Since 1964 the MCW Group has built a solid reputation for the delivery of Professional Consulting Engineering Services, Energy Management Services, and Engineering Development Services.

The systems designed by the MCW Group of Companies are built to deliver energy in the form of lighting, heating and cooling, as well as information in the form of voice and data. By the very nature of the solutions provided, the MCW Group of Companies help to create the environments required for Clients to live, educate, work, play and heal.

Our diverse array of Clients have always brought to us their toughest challenges and most exciting dreams, knowing that we will customize our designs and services to address their needs in a manner which will allow them to succeed and prosper. This success and prosperity is enhanced through the delivery of our services in a manner consistent with MCW’s philosophy of sustainability, and our Client’s desire to reduce the collective “Environmental Footprint.”

“Reducing our Client’s Environmental Footprint”



MCW Consultants Ltd.

MCW Consultants Ltd is a committed team of Mechanical and Electrical Professional Consulting Engineers providing services to institutional, educational, industrial, commercial and residential Clients, both nationally and internationally. MCW Consultants have been providing conceptual design, detailed design and project management services from our offices in Toronto, Winnipeg, Vancouver, and Ottawa.

Mechanical Engineering

Providing mechanical systems which meet the needs of today’s buildings involves the application of engineering principles using an optimized set of reliability and performance targets. MCW’s Client focused solutions include an assessment performed during the conceptual engineering stage of every project which enables MCW to solve

economic, design, planning and operational challenges specific to every project.

Electrical Engineering

Providing electrical systems which meet the needs of today’s buildings involves the application of technologies that ensure flexibility, reliability, and energy efficiency. Analysis of systems options yields solutions which optimize capital cost and long term operating and maintenance expense.

Lighting Design

MCW Consultants provides lighting design services fully realizing that the quantity and quality of light can motivate building occupants and is what creates the mood or magic that will ultimately contribute to the success of a space or process. MCW’s solutions are always sensitive to the needs of safety, visual task, budget, maintenance, and energy costs.

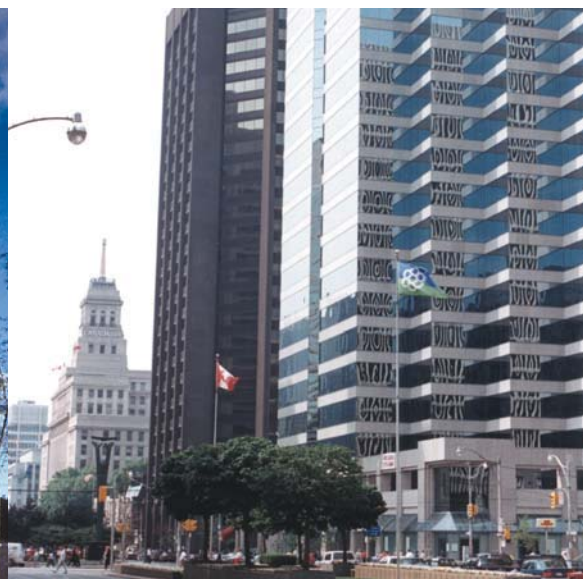
Voice and Data Design

For voice and data design MCW Consultants provides infrastructure related services to assist in the overall building design process. MCW conducts assessments by interacting with the end users, internal IT departments, and all of the design team professionals. After in-depth analysis, MCW customizes the communication cabling infrastructure design to meet the specific project requirements. All Client related standards and procedures are continually reviewed against the latest and anticipated changes in technology.

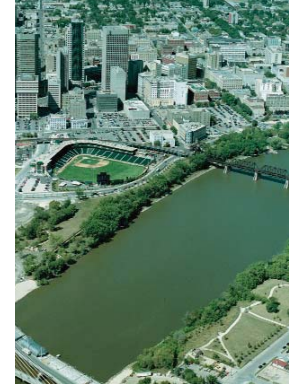
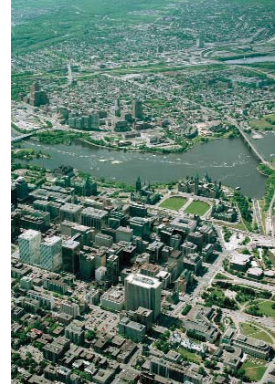
Tenant & Medical Tenant Services

Through years of experience MCW has recognized the importance of a separate tenant services group which utilizes the entire knowledge data base of MCW experience applying it to full service, tenant build-out projects in the commercial, retail, restaurant, entertainment and recreation fields. Consequently MCW has developed a specialized group of professionals executing short design cycle projects, maintaining Client satisfaction.

MCW has also perfected the application of this proven service model to the medical services field. Specialties include the connection to, and extension of, existing mechanical and electrical infrastructure to create diagnostic equipment suites for both in, and out patient care.



“We specialize in providing innovative, proven, cost effective engineering solutions”



A list of services we can provide includes:

Mechanical

- Heating / Ventilating / Air Conditioning
- Ice Storage Design
- Geothermal Ground Source Systems
- Seasonal Aquifer Storage
- Lake, River and Bay Water Cooling
- Central Plant Design
- Process Steam Systems Design
- District Energy Distribution and Energy Transfer Design
- Plumbing & Drainage Systems Design
- Storm Water Management
- Life Safety Systems Design
- Fuel Handling Systems
- Compressed Air Systems
- Building Energy Management and Control Systems Design

Electrical

- High Voltage Power Distribution
- Secondary Power Distribution
- Co-Ordination Studies
- Emergency Generator Systems
- Lighting Control Systems
- Metering & Controls
- Ups Systems
- Transient Voltage Surge Suppression
- Public Address Systems
- Security Systems Design
- Snow Melting
- Lightning Protection
- Life Safety Systems Design

Lighting

- Creative Custom Lighting Design
- Furniture Integrated Task Lighting
- Lighting For Landscape & Public Art
- Security Lighting
- Retail Point Of Sale Lighting

Voice & Data Services

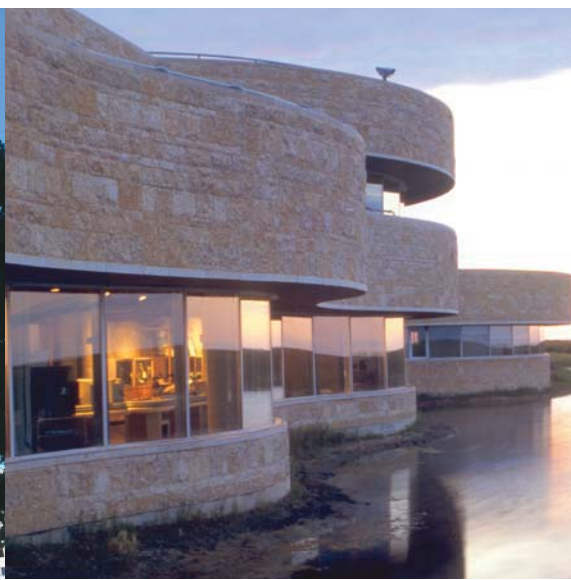
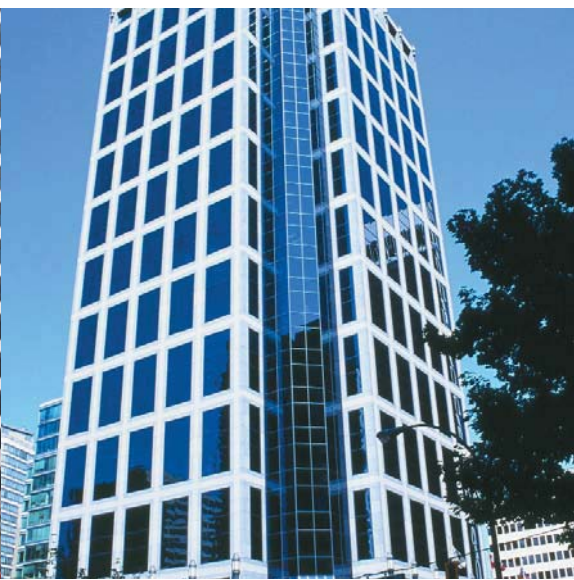
- Integrated Communication Cabling Infrastructure:
- Communications Cable Plant
- Voice Systems & Data Systems
- Integrated Audio/Video Systems
- Distributed Communication Systems
- Public Address Systems
- Sound Masking
- Matv, Catv And Cctv Video Systems
- Internal Paging Systems
- Nurse Call Systems
- Hospitality And Entertainment Systems
- Point Of Sale Systems
- Clock Systems
- Access Control
- Detection And Intrusion Surveillance/ Alarm Systems
- Telecommunication Room Sizing & Space Planning
- Wireless Systems Integration
- Fiber Optic Cable Risers & Backbone Cabling.

Tenant & Medical Tenant Services

- Tenant Fit-Out Systems for:
 - Commercial / Retail / Restaurant / Entertainment and Recreation
- National Roll-Out Retail Accounts Design
- Health Care Tenant Design For CT And MRI Suites
- Medical Gas Systems Design
- Health Care Mechanical & Electrical Systems Upgrades/Replacements

Other Engineering Related Services

- Project Management
- Feasibility Studies
- Energy Analysis & Energy Use Simulations
- Scheduling - Operations and Maintenance Planning
- Operations and Maintenance Manual Preparation & Training
- Systems Commissioning
 - Strategic long-term building operations planning
 - Environmental code compliance planning
 - Training needs assessment and energy workshops





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