



MCA CONSULTANTS

ENGINEERS - PROJECT MANAGEMENT

MCA Consultants is an engineering firm based in Atlantic Canada with offices in Charlottetown, Prince Edward Island, and Halifax, Nova Scotia. Founded in 1997, we have quickly earned our reputation for providing complete Engineering Consulting & Project Management Services for Commercial, Institutional and Industrial Clients throughout Canada.

MCA Consultants provides services for a wide range of market sectors including:

Mechanical Building Utilities Design

- HVAC
- Plumbing
- Fire Protection
- Automatic Controls
- Geothermal Systems

Mechanical Process Facilities Design

- Biopharm Clean Utilities - Compressed Air/Purified Water/Clean Steam
- Lab and Specialty Gases
- Clean Room Ventilation and Pressurization Strategies
- Process Drainage
- Industrial Refrigeration
- Steam Systems
- Chilled Water
- Process Piping Systems

Recreational Facilities Specialties

- Arena Ice Rink Refrigeration Systems
- Swimming Pool HVAC and Pool Filtration
- Integrated Facility Heat Recovery and Reclaim Systems

Contract Administration & Project Management Services

- Project Feasibility Studies
- Project Scheduling
- Budget Preparation and Tracking
- Project Tendering
- Contract Administration and Change Control

At MCA Consultants, we work with numerous architects and developers as integral project team members in various roles including Project Managers, Lead Mechanical Design Consultants, and Specialty Process Utilities & Geothermal Consultants. In order to do our best work, MCA Consultants works completely as a team both within our offices, as well as side-by-side with outside industry partners.

Steven Ramsay, P.Eng, PMP, CEM, President of the Halifax office, has been engaged in detailed and complex comprehensive projects for 20 years, graduating from the University of New Brunswick in 1998 with a Bachelor of Science in Engineering. He has worked on small and large scale commercial, institutional and industrial projects both in Canada and internationally; he has worked out of offices in Prince Edward Island, New Brunswick, and Nova Scotia.

Steven has earned a reputation for being easy to talk to and for relating to customer needs and requirements. He has gained an extensive knowledge of ventilation, plumbing, sprinkler, heating and building automation/integration system design both as an engineering design consultant and as a construction contractor. His specialization in the Energy Efficiency markets have uniquely allowed Steven to bridge the gap between government program developers and clients who wish to take their projects to the forefront of possibilities.

At MCA Consultants we always put ourselves in the shoes of our clients, and approach each design and management challenge as if it was our own project and investment. We take personal pride in our work, and always push ourselves at every turn to provide the best to our clients. All our work is completely custom. There are no boxed solutions here, and we never treat any project with a "one size fits all" approach.

We work hard to determine the appropriate technologies, system configurations, renewable and non-renewable resources, plus various other solutions to maximize system efficiency and achieve sustainable design. We always factor capital costs, long term maintenance implications, and availability of natural resources with all designs. Simply put, we have the thorough understanding and strong background to deliver fully integrated and superior energy performance with our designs.

Some of the innovative processes that we implement into our designs include:

Energy Efficiency Measures

Best use practices for heat recovery/transfer systems, geothermal & heat pump sources, exceeding local regulatory & environmental benchmarks, utilization of existing heating systems to maximize performance, plus ener-

Reliability and Maintenance Measures

Utilizing centralized heating/cooling plant strategies, optimizing existing equipment, and enforcing a high-standard and using only proven reliable equipment.

Environmental Measures

Utilizing water conserving plumbing fixtures, implementing environmentally friendly refrigerants, optimizing heating systems to minimize greenhouse emissions, and advanced digital energy management control systems.

Budgeting and Cost Controls

Use of systems & equipment from multiple sources, avoiding proprietary systems when possible, and ensuring MCA team members are trained and continually educated on the most sustainable design practices and technologies available.

Contact us today to set up a meeting or to have a quick chat. We're always looking for the next project that will prove why we believe we have the best team to meet any challenge.