



CONSTRUCTION

& Maintenance Services, Quebec





Black & McDonald's diversification & expertise serves the growing needs of Quebec customers.

Back in 1921, Black & McDonald started out with two men and a truck. Today, we have over 4,500 employees and 25 offices across Canada and the United States. We began our operations in Quebec in 1955 when we opened our Montreal office to provide commercial refrigeration services.

Over the next 50 years, we expanded our operations in Quebec to meet the growing needs of our customers in such areas as:

- *Electrical Projects, Instrumentation, and Service*
- *Mechanical Projects, Insulation, and Service*
- *Piping, Millwrights, and Boilermakers*
- *Facility Maintenance and Operations*

In 2005, Black & McDonald acquired National Construction as part of our diversification and expansion across the nation. We added the Eastern Division of Kamtech Services in 2012. Both of these additional resources increased our expertise in managing large projects and helped form the core of our Industrial Division.

These expansions strengthened Black & McDonald's multi-trade resources in Quebec. Whether it's industrial, commercial, or institutional, our Quebec operations team provides our customers with innovative and cost-effective solutions for their construction, maintenance, and service needs.

INSTALLATIONS DONE ONCE,
DONE RIGHT!



EXPERIENCED IN YOUR ENVIRONMENT —
KNOWLEDGE IS POWER

Do The Job Right

In Black & McDonald's work with customers, we uphold an overarching principle of our founder William John McDonald, to "do the job right – regardless". From our specialized construction expertise to our national purchasing power and substantial resources in management, personnel and equipment, we live up to that promise.

It is how we consistently meet the challenges in the most critical environments in new and retrofit mega-million dollar projects spanning applications from mechanical to piping, insulation, electrical, control systems, and instrumentation. Black & McDonald has the capacity to respond quickly to customer requirements for major plant shutdowns. By maintaining strong and positive

relationships with the various unions, we ensure reliable access to additional resources when required.

Knowledge From Experience

In Quebec's petrochemical industry, our trades people stand above the competition, having worked for over 50 years for the best in the industry. Our exceptional experience in all other sectors in Quebec has instilled confidence and respect in the industry. Our Mechanical and electrical teams are experts in process equipment installations and repairs including all different types of piping and boiler services. Our resulting experience and knowledge continue to benefit our customers today.

Core Values Ensure Success

Black & McDonald has a unique way of ensuring that our customers' needs are met in every way. Using the core values of our founder, we maximize our resources to respond quickly and efficiently to the needs of today while preparing for the needs of tomorrow. Our processes enable us to measure our work quality for customer satisfaction. For large projects, we utilize our ISO 9001:2008 standards and meet or exceed our customers' quality assurance standards. Our people take pride in attaining only the highest standards of quality and service.



PREPARED FOR TOMORROW
— READY FOR TODAY

OUR STRENGTH IS IN OUR PROMISE.
DOING IT RIGHT — REGARDLESS.





Quality Assurance for a Wide Range of Industries

Prime examples of our dedication to Quality Assurance are readily seen in the areas of Nuclear Power, Wind Farms, and Petrochemical sector projects. We use a shared business philosophy and commitment for projects and partner for success through an integrated team approach. Health, safety, and the environment are always top of mind. We will never compromise our standards.

Backed by over 90 years of lessons learned, we have the experience of more than 4,500 employees across the country. Black & McDonald know-how is unequalled in the construction industry in Canada. Add in our high level of expertise in Quebec and we are well-positioned to meet any challenges that the projects of today and tomorrow may bring.

Black & McDonald has worked hard to earn industry-wide respect for our positive approach and our ability to provide innovative solutions to unusual challenges, even in the most critical environments. Our people excel because our project managers guide the progress of every project and our resources are trained to perform in even the most difficult conditions. Our experience has taught us the true meaning of 'no downtime' in mission-critical facilities as shown below. In every environment, by communicating regularly with our customers, we confirm their satisfaction. They know we listen to their concerns and respond readily to their needs.

SPECIALIZED EXPERTISE PROJECTS IN QUEBEC



Energy



Mining & Metallurgy



Refineries & Petrochemical



Nuclear



Reservoirs



Wind Energy



Mining & Metallurgy

UNCOMPROMISING STANDARDS COUPLED WITH DIVERSE CAPABILITIES & EXPERIENCE

Fabrication Efficiency

In nearby Ottawa, Black & McDonald's Pipe and Metal Fabrication Facility produces metal supports, specialty brackets, equipment skids and custom pipe assemblies of all types and sizes from 1/8" stainless steel tubing to 60" concrete pressure pipe. This provides Black & McDonald with a more efficient and cost effective way of supplying piping systems to all of our major projects across Quebec and the rest of Canada.

All fabrication is performed by skilled, qualified, licensed trades people under the supervision of an experienced full-time fab-shop superintendent in accordance with certified TSSA welding procedures. Certification and compliance of all piping systems are

assured by following procedures and codes as set out by regulatory agencies such as CSA, CWB, ASTM, ASME, ANSI and local inspection authorities.

Established in 1997 and expanded to 16,000 square feet in 2005, our Fabrication Facility contains the following:

- An overhead crane
- Seven welding stations
- Two orbital welding stations
- A plasma cutting station
- A Victaulic cut/roll grooving station
- A 110 ton iron worker
(Can shear, bend and punch 1" thick plate)
- An 18" band saw
(Provides high accuracy pipe/plate cuts)

Black & McDonald's many certifications include:

- CWB Certified to CSA 47.1 and 47.2
- TSSA Certificate of Authorization for
 - ASME B31.1 Power piping
 - ASME B31.3 Process piping
 - ASME B31.5 Refrigeration piping
- TSSA Certificate of Authorization for
 - ASME Section VIII Division 1 & 2 Manufacture of Boilers & Pressure Vessels
 - ASME Section I, Construction of Power Boilers, Stamps V, S & R
 - CSA B51 Repair and Alteration of Boilers, Pressure Vessels, Pipe and Fittings
- TSSA Certificate of Authorization for
 - CSA Z305.1 Medical Gas Piping
- TSSA Certificate of Authorization for
 - N285.0 Fabrication of Nuclear Pressure Piping
- ISO 9001-2008



OUR RESOURCES ARE A CLEAR ADVANTAGE FOR QUEBEC

EFFICIENCY AIDED BY DIRECT ACCESS TO BLACK & McDONALD PIPING





Choices That Meet Your Needs

From full comprehensive maintenance packages to emergency on-call services, Black & McDonald provides levels of service that can be customized to your specific needs and budget.

For industrial site service agreements, Black & McDonald's management and manpower resources can be quickly mobilized to meet Quebec's demands for planned plant shutdowns, process retrofits, rebuilds, and new equipment installations.

In cooperation with our equipment distributors, Black & McDonald can also assist with securing power subsidies for natural gas (Gas Metro) and electricity (Hydro

Quebec) for our customers. This service includes complete documentation and reporting of annual energy savings.

Our personnel can provide service solutions anywhere, anytime for:

- *Energy savings*
- *Infrastructure management*
- *Electrical*
- *HVAC equipment services*
- *Boilers and plumbing*
- *Mechanical insulation*
- *Natural gas*
- *Controls and automation*
- *Chiller and steam management*

Protecting Your Investment

At Black & McDonald, our maintenance programs are designed to protect our customers' investment in their facilities. We're helping today's business owners to achieve environmental consciousness, improve operational effectiveness, and minimize facility obsolescence. We're lowering the total cost of ownership, increasing the net asset value of facilities, and improving the bottom lines of the businesses we serve.

To ensure that good maintenance remains effective and affordable for our customers, Black & McDonald's Facility Management and Operations (FMO) team implements innovative solutions throughout a facility's life cycle. We self-perform on all technical services and ensure compliance with technical standards of excellence.

LEADERSHIP IN SERVICE,
THE BLACK & McDONALD WAY



MAINTENANCE SOLUTIONS
FOR THE LONG TERM

There's only one way at Black & McDonald. The right way.

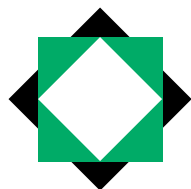
Black & McDonald is a privately-owned Canadian company that provides an integrated, multi-trade prime contracting service to governments, institutions, industry, and commerce throughout Canada and the United States. Founded in 1921, William John McDonald established a foundation of principles and beliefs that are the very core of the company:

- *Do the job right... regardless*
- *Talk to the customers regularly, confirm their satisfaction*
- *Make the price fair and reasonable*
- *A deal is a good one, only when it is good for both parties*
- *Live up to your promises*
- *Treat employees with respect*
- *Complete jobs promptly*
- *Invoice promptly, fairly, and in detail*

As a result, Black & McDonald is known as a reliable and flexible contractor. With a team of over 4,500 strong, Black & McDonald lives and breathes the ultimate in safety, quality and high performance along with engineering excellence, best of class fabrication, and unprecedented customer service. Delivering the right solution in the right way at the right price is driven by an ongoing attitude of unwavering integrity and proud tradition.

Everyone at Black & McDonald knows that continued success depends on the ability to deliver innovation and exceed client expectations. It continually rests on the shoulders of each and every member of the team.

Anything less is not the Black & McDonald way.



**The
Black & McDonald
Way**

Black & McDonald

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