BBA.CA

Power and Renewables

OUR GOAL

Help clients decarbonize our economy and create long-term value.

Engineering has transformed. So has BBA.

Power and Renewables

+20

offices across Canada and abroad

+1.5 k

employees

+40

years or innovation

For over 40 years, we have been intensifying our efforts to improve our practices and design cutting-edge solutions, based on industrial client needs, that are reliable, profitable and environmentally friendly.

Outside our more immediate successes, we focus on the future to create long-term value for our clients. Every day, we go beyond engineering and encourage our team members to do the same, so we can build a sustainable world together.

CANADA BEST MANAGED COMPANIES

"Our team manages the entire project to make sure all stakeholders are well served. Our mission is to safeguard a balance between the environment, performance and profitability."

Jérôme Pelletier, P.Eng., MBA - President and CEO

National and international reach with a local presence

Boisbriand
Calgary
Concord
Edmonton
Labrador City
Mont-Saint-Hilaire
Mont-Tremblant
Montréal
Quebec City
Rouyn-Noranda
Saguenay
Salt Lake City
Santiago, Chile
Sept-Îles
Sudbury
Terrace
Toronto
Trail
Val-d'Or
Vancouver

Our values

Power and Renewables

0

onsite accidents.
We stay alert for
everyone's safety.

+ 91%

client satisfaction

By 2030

make BBA
carbon neutral

Our success is largely due to the our highly engaged team members. With a culture based on commitment, development and complementary talents, we build lasting relationships with our employees, clients and partners. BBA's increased presence in the field provides team members with a rich professional experience, offering a broader and more accurate view of operational activities.

People first

At BBA, we firmly believe that health and safety must be a way of thinking, acting and living—a reflex we sustain over time. Achieving excellence in health and safety is a responsibility we all share, from executives, to managers, to employees.

Our 10 golden rules target the aspects of our work that present the highest risks. We ensure the health and safety of our team and clients at all times—a principle that guides all of our decisions.

Rigour, ingenuity and collaboration

We are in the field right from the start of a project, communicating efficiently with our teams, inspiring them and giving them the autonomy that helps them get it right the first time. No matter the challenge, we tackle it together, driven by the desire to exceed expectations.

Eco-mindfulness

We are fully aware of our influence on developing environmentally-friendly projects, and we are committed to providing our clients with every possible option to reduce their environmental footprint.

At BBA, engineers, biologists and environmental experts work closely to strike the right balance between protecting the environment, controlling costs and complying with regulations.

Our culture is built on values that have stood the test of time.

Understanding today’s challenges to build the future

Power and Renewables

Our world is changing fast. The urban population is growing exponentially, as is our energy and natural resource consumption. As an industrial company, you have many challenges to overcome — you can count on us to help.

We are proud to have made our mark in the North American industry thanks to our cutting-edge expertise in electrical power. Today, we are still engaged in creating change with a multidisciplinary team that strives for excellence, from studies to detailed engineering and field support.

Energy

Mining and Metals

Biofuels, Oil and Gas

Other industries

Pulp and paper, industrial agriculture, data centres and much more

We leverage innovation in our various markets within your projects.

Our technical capabilities

Power and Renewables

Clients choose BBA because we bring them comprehensive engineering, project and environmental consulting services at all stages of their asset life cycle—from front-end studies to detailed engineering and back-end field operations.

We apply our leading technical expertise to all of our projects, providing clients with a high standard and degree of care they have come to expect.

QE AND QA MONITORING — OE

EARLY CONTRACTOR INVOLVEMENT — EPC*

ENGINEERING STUDIES SERVICES — EPCM

CONCEPTUAL DESIGN → DETAILED DESIGN → TECHNICAL ADVISORY SUPPORT

WARRANTY AND ASSET MANAGEMENT

System studies and planning

Feasibility and feed

General specifications and scope of work

Detailed design

Detailed specs RFQ and procurement

Build and install

Commissioning

Operation and maintenance

*EPC in partnership

Integrated expertise to maximize your investment projects

Power and Renewables

BBA is a leader in energy decentralization. Our integrated vision of power system components enables us to optimize the value of each of our energy assets based on the benefits they bring to the grid.

Power systems studies and analyses

- Power system experience
- Specialized studies
- System planning
- Economic and financial analysis
- Equipment integration studies and asset management
- Digitalization and smart grids
- Experience with most major North American networks

Storage

- Energy strategy
- Feasibility studies
- Technologies and applications
- Financial analysis and optimization
- EPC and EPCM delivery
- Digital solutions and business intelligence

Hydro

- Pumped-storage
- Rehabilitation and upgrade
- Dam safety
- Unique penstock expertise
- Preventive maintenance
- Strategic asset management and audits
- Social acceptability, Indigenous relations and environmental permitting

Off-grid hybrid systems

- Optimization and complex climates
- Logistics in remote locations
- Remote operation
- Optimizing energy efficiency
- Specialized studies: stability vs. profitability vs. environment
- Independent and technology neutral

Wind and solar

- Portfolio assessment
- Interconnection studies
- Detailed design
- Owner's engineering services
- Performance and reliability optimization
- NERC compliance (MOD, PRC)
- Testing and commissioning
- Life extension

Power transmission and distribution

- Interconnection expertise
- Power quality
- Design of substations, transmission lines, protection and control systems
- Digital Power Systems and IEC 61850 standard
- Strategic asset management, digitalization and system optimization
- Transformer expertise
- Testing and commissioning

Systems studies and analyses

Power and Renewables

+4 GW

units tested
for NERC generator
compliance

Whether you are a power producer, transmitter, distributor or consumer, you want to make the best decisions for your system to ensure a return on your investment, operational compliance and business sustainability. To do this, you need to have reliable and rigorous studies and analyses performed by industry experts.

Power system experience

Our experience with interconnected, off-grid and remote power systems is based on over 40 years of expertise in high-power electrical engineering. Our teams' involvement in the field has enabled us to acquire all the knowledge necessary to ensure you can benefit from a reliable and robust system.

Specialized studies

We use system modelling tools that are best suited to the facility location and current regulations, such as Power System Simulator for Engineering (PSSE), DSA tools, EMTP, ASPEN Power Flow, ETAP, SKM, etc.

The data collected from our studies are meticulously verified in the field and rigorously measured using the latest equipment by our field services experts.

System planning

Whether you are building an off-grid industrial system or designing a complete system, we draw on our expertise and specialized design tools to help you plan your system.

First, we determine a target system and then establish the sequencing steps to allow you to grow and achieve your long-term goals.

Economic and financial analyses

Our studies cover the economic and financial aspects of your system projects. We centre our recommendations on an integrated analysis process that you can rely on.

Equipment integration studies and asset management

Our interconnection study expertise covers all North American systems, for both generation and consumption. Our experts stay with you every step of the way, throughout your project life cycle, whether it's planning your expansion projects, increasing the return on your investment, ensuring asset sustainability in light o f climate change risks or facilitating technology decision-making. We can even work with you to develop a complete program to modernize and refurbish your facilities.

We understand the various system management requirements by authorities and will be able to support you throughout the interconnection process.

LANDMARK PROJECTS

- Québec (CA) interconnexion studies for Invenergy
- Alberta (CA) interconnexion assessment for Innergex
- Arviat grid-impact study for NRStor, Nunavut (CA)
- WECC generator compliance for Tacoma Public Utilities
- Subsynchronous resonance study for AB-BC Intertie for AltaLink

Digitalization and smart grids

BBA offers a range of digitalization services for power systems (IEC 6 1850 standard). Our team includes experts specialized in the fields of protection, control, automation, telecommunications and cybersecurity.

Experience with most major North American networks

Using the most advanced industry software and tools, our experts propose technological solutions that are based on practical experience and in-depth knowledge of applicable standards and regulatory requirements.

Hydro

Power and Renewables

900 m

highest head in North America

Hydropower is key to decarbonizing the North American economy. It is reliable, flexible and allows us to integrate more intermittent forms of renewable energy. Our innovative and integrated approach to developing power plants ensures community participation and social acceptability of projects.

Pumped-storage

Bba understands the importance of high-power, long-duration energy storage systems. Pumped-storage plants (PSPs) remain a most viable long-term solution from an economic and environmental standpoint. BBA has studied and designed pumped-storage plants totalling 3,000 MW worldwide and has developed partnerships to support detailed engineering for these projects; we are one of the few firms with recent experience in this area.

Rehabilitation and upgrade

Thanks to its advanced multidisciplinary expertise, BBA can integrate optimization solutions for any size plant. BBA ensures the sustainability and efficiency of your hydraulic generating assets.

Dam safety

CDA ACB

Our expertise covers all aspects of this speciality, from inspections to emergency response plans, while meeting client expectations and the most demanding regulatory requirements. BBA is an active member of the CDA and is rigorously involved in following its recommended guidelines.

Unique penstock expertise

For over 40 years now, our teams have developed expertise in both penstock preventive maintenance and rehabilitation as well as in designing new structures. Our innovative approach has helped reduce construction costs and allowed many projects to become economically viable. Without this unique approach, many of these projects would not have seen the light of day.

Preventive maintenance

Failure mode, effects and criticality analysis (FMECA) is designed to ensure safety and support maintenance of aging assets. More specifically, it takes into account all your historical data, operating conditions and experience with similar equipment. Our FMECA approach will allow you to perform predictive maintenance on your assets and save money while minimizing risk.

LANDMARK PROJECTS

New projects

- Tretheway, 21 MW, Innergex, BC, Canada
- Narrows Inlet, 33 MW, Lake Tap, BC, Canada
- Jimmie Creek, 64 MW, Innergex, BC, Canada
- Romaine-395 MW, Hydro-Québec, QC, Canada

Plant rehabilitation

- Bridge River, 492 MW, BC Hydro, BC, Canada
- Powell River and Lois Lake, 75MW, Brookfield, BC, Canada

Pumped-storage plant

- Wawa, 500 MW, San Lorenzo, Philippines

Strategic asset management and audits

You can count on our experts to help you make the right investments at the right time. Their strength is unparalleled field experience combined with extensive knowledge of technologies on the market.

Social acceptability, Indigenous relations and environmental permitting

Our experts are motivated to ensure seamless integration of our projects into the community. We have vast experience working with Indigenous communities and a thorough knowledge of government processes, legislation and permitting.

Wind and solar

Power and Renewables

+3,000 MW

commissioned in Canada over 20 years

The trend is no longer to passively observe power transition. Utilities and private organizations are joining the trend by adopting ambitious carbon reduction targets. Opting for renewable energy is now considered both a responsible decision and a smart economic choice.

Portfolio assessment

Our team works upstream to give you an accurate vision of financial, environmental, social and technical aspects of your projects. This provides you with all the data to select the projects that best meet your investment goals.

Interconnection studies

To successfully connect to the grid, your installations must comply with high standards from utilities and standards organizations. Our experts focus on these challenges up front and provide you with solutions that will be fully endorsed, based on your schedule.

Detailed design

Our high-voltage electrical expertise took root 40 years ago. Having gained commissioning experience in the field, our team brings added value to your project design, whether it's to interconnect installations to existing systems or to integrate them into an off-grid system.

Owner's engineering services

BBA experts understand your market challenges and ensure your projects are perfectly executed at every stage of their life cycle. Our experts have extensive experience working with manufacturers and contractors and can support and represent your interests in engineering, procurement and construction management (EPCM).

Performance and reliability optimization

Power system reliability and performance requirements are getting tougher. BBA validates your first single-line diagram and design criteria as soon as you begin developing your project. By getting it right the first time, we eliminate changes during construction.

NERC compliance (MOD, PRC)

We provide the support you need to meet your compliance obligations. Our experts keep you informed about the latest developments in reliability standards and future changes that will affect the industry.

LANDMARK PROJECTS

New projects

- Travers Solar, 465 MW, AB, Canada
- Henvey Inlet, 300 MW, ON, Canada
- Rivière-du-Moulin, 350 MW, QC, Canada
- Gros-Morne, 212 MW, NL, Canada
- Seigneurie de Beaupré, 364 MW, QC, Canada
- Des Moulins, 136 MW, QC, Canada
- New Richmond, 67,8 MW, QC, Canada

Community

- Old Crow Solar, 450 kW, YT, Canada
- Beaver Creek Solar, 2 MW, YT, Canada

Testing and commissioning

Our team brings practical experience to your projects and coordinates among all project stakeholders—developers, contractors, manufacturers and utilities. Our experts perform your project testing and commissioning, ensuring full compliance with interconnection criteria: voltage, frequency, control and protection.

Life extension

Many companies are turning to digital technologies to increase the value of their asset management approach. Our team supports you and helps ensure your new equipment is compatible with existing electrical installations to prevent breakdowns and disruptions.

Storage

Power and Renewables

+60 MW

BBA's contribution to integrating power storage

Power storage technologies allow us to tackle the challenges posed by the intermittent nature of renewable energy and to increase the renewable energy mix in a network in order to benefit from reliable and eco-friendly systems. We help our clients define system requirements and capitalize on the value of storage benefits.

Energy strategy

We assist system operators in developing energy strategies by offering rigorous analysis and in-depth knowledge of electricity markets and the regulatory framework.

Feasibility studies

Our experts can help you meet your renewable energy integration goals by ensuring the stability and reliability of your operations and power systems. They address all the important criteria, for example:

- Assessing profitability and the investment required
- Optimizing your electricity bill
- Choosing the best suited type and size of energy storage technology
- Integrating the technologies into your existing facilities

The optimization tools we use for your storage projects address both the technical system aspects and the market rules specific to your situation.

Technologies and applications

Whatever the application (behind the meter, at the distribution side or on transmission networks), we have in-depth knowledge of storage technologies: battery, pumped-storage and compressed air power plants. We can assist you in selecting and implementing the technologies that will deliver the most benefits to the system. So, you can benefit from a new source of revenue while reducing your operating costs and mitigating your risks.

Financial analysis and optimization

Use our unique detailed revenue prediction model to optimize your financial performance. It reflects your consumption profile for the specific project context and forecasts projected sources of income.

EPC and EPCM delivery

Our solutions meet utility requirements, comply with current standards and regulations and incorporate the latest innovations.

Our energy storage experts are present at all stages, from concept to commissioning, to implement new digital systems and equipment into an integrated operating process. Your gains: improved collaboration, clear governance, cost savings and an optimized execution sequence.

LANDMARK PROJECTS

Projects

- WindCharger, 10 MW / 20 MWh
- Eglinton Crossing LRT, 10MW / 30 MWh

Applications

- Off-grid integration
- Demand-response
- Ancillary services

Digital solutions and business intelligence

Our solutions maximize the use of digital tools and ensure flexibility to add future digital solutions. Optimizing the profitability of your storage projects is based on careful collection and analysis of system data and market rules.

Storage integration requires superior operational intelligence. This is a winning condition to ensure your operations run smoothly and generate the most profit. We support you in setting up your integration, operational readiness and commissioning strategy to unify your teams—operators, control centre employees, power brokers, financial modelling experts—around clear objectives and a shared storage language.

Off-grid hybrid systems

Power and Renewables

2 M litres

annual fuel reduction for one of our industrial clients

Given how critical power supply is for industrial operations and communities in remote regions, off-grid systems must be reliable. The introduction of alternative power sources into these systems must also require extensive expertise in their integration in order to maximize fuel displacement without compromising network stability.

Optimization and complex climates

BBA has carried out projects in various climatic regions—Canada's Far North, South America, the Caribbean, Africa—in conditions of extreme cold with grounding requirements in permafrost, at altitudes where oxygen was scarce, on rugged terrain and in overbearing heat.

For example, we've designed electric and thermal power generating systems adapted for altitudes of up to 3,800 metres. We've also developed concepts that, by optimizing the thermal system, have considerably reduced annual operating costs.

Logistics in remote locations

We've acquired design and project management expertise that is tailored to remote and hard-to-reach regions. Some of our past power plant projects had to be carried out under tight deadlines because of extremely short shipping seasons, difficult arctic conditions and a lack of qualified labour.

We've developed an innovative approach: by designing power plants composed of preassembled modules made entirely of steel and pre-tested in the factory, we've effectively managed risks related to delivering equipment and materials, facilitated transport and considerably reduced construction costs.

Remote operation

In isolated areas, it's a major advantage and risk reduction measure to be able to operate systems remotely. BBA has implemented innovative strategies based on open industry standards, such as the IEC 61850 standard, to ensure business continuity with enhanced system cybersecurity technologies. This makes it possible to remotely operate electrical system infrastructures while increasing information quality, diagnostics accuracy and expertise availability.

Optimizing energy efficiency

Whether it's to introduce new installations or optimize existing ones, our multidisciplinary team strives to obtain a comprehensive understanding of your system to recover every available kWh and create balanced energy distribution systems.

LANDMARK PROJECTS

Power Plant Designs

- Grise Fiord, 905 kW, NU, Canada
- Meliadine Mine, 28 MW, NU, Canada
- Centenario Lithium, 25 MW, Argentina

Alternative Energy Solutions

- Community of Old Crow, 450 kW, YT, Canada
- Niknaqueet, 1.4 MW, BC, Canada
- Raglan Mine, 4MW, QC, Canada
- Essakane Mine, 15MW, Burkina Faso

Plant Assessments / Optimizations

- Meadowbank Mine, 24MW, NU, Canada
- Hamlet of Rankin Inlet, 3.5MW, NU, Canada
- Sabodala Mine, 36MW, Senegal

Specialized studies: stability vs. profitability vs. environment

Integrating a renewable energy source can affect the stability and performance of an off-grid power system. Because these systems are so critical, our team helps make the most of green energy sources by balancing them with your load profile and other power generating sources. This includes using storage, where necessary, while focusing on maximizing your investments.

Independent and technology neutral

BBA can serve as a third party and is not tied to any technology or contractor/supplier. We remain impartial for our clients by offering them solutions that best suit their needs. For off-grid power systems projects, our expertise translates into mediation services between communities and utilities, technology recommendations, audits and facility or operations assessments.

Power transmission and distribution

Power and Renewables

1,000 MW / yr

total power of substation projects

Engineering + Field Services

For today's transmission and distribution systems built to be both reliable and sustainable, it's important to make the right technological choices and optimize asset management. Industrial companies face challenges like system interconnection capacity and construction in difficult terrain.

Interconnection expertise

Our experts are proficient in all interconnection challenges and take them into account from day one, thus avoiding costly errors. We've carried out projects involving all aspects of interconnection—renewable energy (hydro, wind, solar), hydrogen, storage, neighboring systems, as well as connecting plants or industrial processes to the main power system.

Power quality

We have a practical understanding of public utility requirements, including power quality, which is crucial. We offer you the most cost-effective solutions.

Design of substations, transmission lines, protection and control systems

Your designs are developed by our multidisciplinary and committed team, whose members are present on site. The added value translates into safety by design and an approach to digital technologies to optimize power management.

Digital power systems and IEC 61850 standard

Our experts are well versed in the IEC 61850 standard and its application. They test the compatibility of new technologies with traditional systems at BBA's Digital Power Systems lab. As a result, this expertise can be further developed in an applied manner, taking into account changing market requirements and technological developments.

Strategic asset management, digitalization and system optimization

Increased system robustness, productivity gains and compliance with regulatory requirements are just a few reasons why you may want to modernize your electrical facilities. Our approach relies on a proven methodology, enabling you to make the right decisions and extend the service life of your assets, while maintaining equipment reliability and worker safety. Count on BBA to make the right technological choices in asset management, automation technology and digitalization.

LANDMARK PROJECTS

Transmission lines

- Long Lake, 32MW 138kV, Long Lake Hydro Inc., BC, Canada
- Kivalliq Hydro-Fibre Link, 1200 km 230 kV, KIA-Anbaric, NU, Canada
- 735 kV, rehabilitation, Nalcor Energy, NL, Canada

Facts

Flexible AC Transmission Systems

- Riel, synchronous compensators 4 x 250 MVAR, Manitoba Hydro, MB, Canada
- Soldiers Pond, 3 x 175 MVAR, Nalcor Energy, NL, Canada

Digital Power System

- Saint-Chrysostome, 120 kV Hydro-Québec, QC, Canada

Transformer expertise

Our team has unparalleled experience in transformer design and optimization. Our experts support you at every stage of your transformer's life cycle, from the technical specifications to selecting suppliers, design review, factory acceptance tests and commissioning.

Testing and commissioning

Our engineers, technologists and electricians work in remote, hard-to-reach sites to perform testing, commissioning, maintenance and emergency support activities. Our goal is to have a successful startup and maintain optimal facility performance.

Focusing on innovation

Power and Renewables

We know that to be implemented, new technologies must meet a real need, while remaining cost-effective, efficient and environmentally friendly. Our recommendations are guided by a comprehensive and measured analysis of your operations.

3D simulation, virtual reality and augmented reality

Immersive technologies such as virtual reality and augmented reality are used to reduce costs and accelerate project development:

- Optimized constructability
- Design review
- Health and safety training
- Virtual tour
- Public consultations
- Stakeholder communication

Digital power systems

Our laboratory enables us to verify equipment compatibility and ensure flawless commissioning:

- Control and automation network simulation and testing
- Power system protection

Motion amplification

Motion amplification is used to visualize complex vibratory phenomena without contact and without stopping production. It is also used to quickly pinpoint fundamental causes for wear issues. This innovation is a complementary tool for the following activities:

- Maintenance
- Modal analysis of structures or foundations
- Analysis of rotating equipment

RDI Technologies certified partner

Cybersecurity

We have extensive experience with industrial control systems and their associated regulatory requirements:

- Standard gap analyses – NERC, CIP, NIST, CSA Z462, OSHA 3132 and IEC
- Review of work and intervention methods
- Training

4.0 solutions

We design innovative solutions for Industry 4.0 to help you meet your digital transformation challenges.

- Learning to use equipment to detect abnormal situations
- Equipment geolocation for operational decision-making
- Performance indicators and optimizing asset utilization
- Augmented reality

Drones

The use of drones allows us to acquire high-precision data and improve team productivity:

- High-precision imaging
- Multispectral imaging
- Photogrammetry and volume calculation
- Inspection and measurement
- Georeferenced videos

Environmental Services

Power and Renewables

At BBA, engineers, biologists and environmental experts work together with sustainable development in mind. Whether it's managing a project throughout its life cycle or meeting specific needs, you can count on us.

Prefeasibility studies and preliminary design

- Environmental constraints analysis
- Due diligence
- Biological, physical and human environment studies and expertise

Permits, approvals and social licensing

- Management and coordination of environmental permit and approval applications
- Environmental impact assessment
- Public hearings and consultations

Design and construction

- Design of mitigation and restoration measures
- Environmental management and protection planning
- Environmental site monitoring

Operations and commissioning

- Environmental monitoring
- Emissions, noise and pollutant management
- Complaint management

Field Services

Our teams assist you from studies to operational support. Our goal: to make your first start-up successful, ensure sustained production increase and maintain optimal performance of your facilities. In short, to have trouble-free operations, nothing less.

Power generation and distribution

- Technological testing
- WECC and NERC testing
- System studies
- Equipment inspection
- Power increase

Protection and control

- Relay maintenance and testing
- Grounding protection
- Corrective action scheme (CAS)
- IEC 61850 communications protocol
- Emergency power system

Telecommunications

- Network architecture
- Communications protocols
- Microwave networks
- Fibre optic networks
- High-voltage line communications

Industrial processes

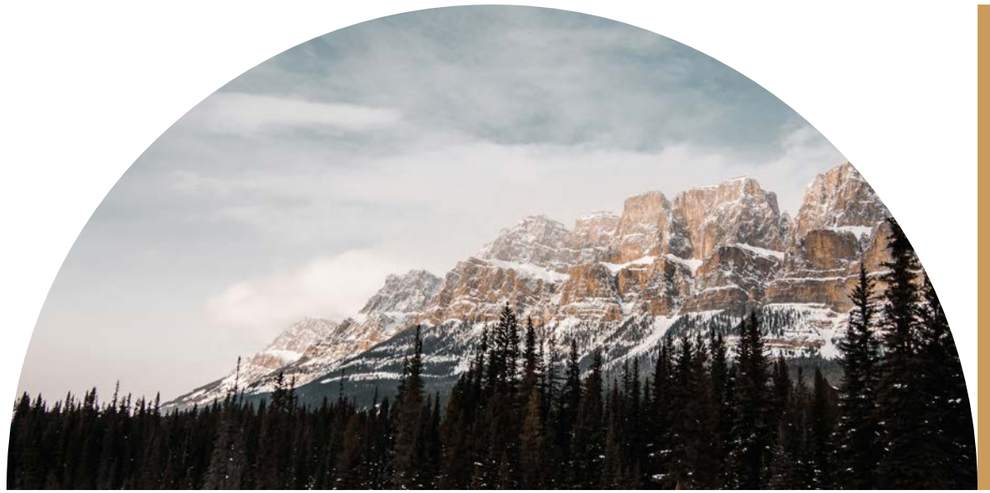
- Operational readiness
- Project optimization (costs, schedules, risks)
- Commissioning management
- Lockout
- Health, safety and environment management

Social licensing and Indigenous relations

Power and Renewables

PROUD MEMBER OF
Canadian Council for ABORIGINAL BUSINESS

BBA supports interest groups and stakeholders of the projects in which it is involved, bearing in mind their long-term impacts on communities, the environment, employees and business partners. This vision is based on principles of sustainability, trust and fairness and guides each of our actions.



1

Recognizing Indigenous rights and our social responsibility

BBA believes it is essential to develop close and meaningful relationships with Indigenous peoples. We welcome their input and the knowledge they bring when we carry out projects on their ancestral lands and territories.

- BBA's Indigenous Peoples Policy based on the reconciliation process and respect for their rights and traditions
- Commitment to and support for the United Nations Declaration on the Rights of Indigenous Peoples
- Participation in the operations of Indigenous economic development organizations, such as the Canadian Council for Aboriginal Business (CCAB)

2

Investing in project development with Indigenous peoples

Before a project is even considered, BBA works to establish engagement activities with communities. We aim to understand Indigenous values as they relate to their relationship with the land and its resources and work inclusively while providing support.

- BBA's support and initial investments to start partnership projects—some examples of investments made:
  - Malahat Nation, Vancouver
  - Métis Nation of Alberta
- Ongoing involvement of Indigenous leaders in the decision-making process
- Clear understanding of community impacts and benefits

3

Establishing lasting and authentic partnerships and agreements

Our vision of partnership is based on the principle of mutual benefit. By striving to develop economic opportunities and positive benefits in the region where the project is carried out, BBA establishes strong and transparent relationships between local and Indigenous communities and developers. Here are some examples:

- Partnership with the Innu – Eastern Canada
- Cree partnership – Northern Ontario
- Métis Nation of Alberta relationship agreement – Western Canada

4

Giving back to local communities and social involvement

BBA contributes to the well-being of the communities where it operates through various initiatives:

- Granting scholarships and sponsorships—a portion of which is reserved for social agencies and educational institutions in Indigenous communities
- Supporting programs that promote health, poverty and social exclusion abatement and environmental enhancement
- Participating in Indigenous awareness days and events

5

Support with permitting and approval processes

Our team helps industrial companies navigate the steps of obtaining approvals and permits. We implement and coordinate social licensing action plans by understanding local community concerns and integrating them into project planning to benefit all stakeholders. Our goal is to carry out socially acceptable and economically viable projects while simultaneously mitigating environmental impacts.

- Permit and approval applications coordination
- Environmental impact assessment
- Public hearings and consultations

6

Valuing communities and acting as an ambassador

BBA is raising awareness about local benefits and wellbeing, inclusion and equity by helping its employees and clients understand how their projects influence cultural, environmental and socio-economic values of the communities involved.

- Ensuring equal access to business opportunities for qualified local professionals
- Identifying training opportunities involving community members
- Valuing the culture, principles and values of host communities
- Participating in social projects and creating local economic benefits
- Understanding and respecting traditions, history and cultural diversity

Our vision of the industrial future

Power and Renewables

Think about sustainable operations

Economic growth and environmental protection are no longer incompatible. Society increasingly recognizes that the need for energy must also reflect the need to preserve the environment for future generations.

“Our society has all the technical and financial resources to decarbonize our economy. At BBA, we are proud to help our clients and communities in achieving this goal.”

François Vitez
Vice-President, Power and Renewables Market, BBA

At BBA, we have a clear understanding of your challenges and objectives. Our presence in the field and natural curiosity to keep an eye on the latest technology allow us to fully comprehend your operations. We are here to help you make the right choices in building profitable and environmentally-friendly projects.

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