

Renewable Energy

Rigorous advisory, risk and procurement management



Project
Leaders

With a recent increase in government funding, capital projects that generate energy more sustainably and reduce greenhouse gas emissions have become more popular than ever.

Such projects include hydroelectric facilities, solar or wind farms, battery energy storage systems, renewable natural gas (biogas) and geothermal plants. Unfortunately, individuals who have the expertise and experience to manage these projects successfully are lacking.

In addition to the usual budget and scheduling challenges associated with any capital project, the typical engineering, procurement, and construction (EPC) project delivery model that renewable energy projects follow comes with its own unique hurdles. These include the need for a comprehensive risk management plan and a rigorous procurement plan to ensure long-lead materials and equipment arrive at your job site on time. Project owners also require the ability to navigate the needs and goals of numerous partners and stakeholders, given the high-profile nature of most renewable energy projects.





Comprehensive risk mitigation

Tackling a renewable energy project with advisory and project management experts on your side can help secure its successful completion. Once we take on your project, we identify immediate and long-term needs and bring structure to them. Working as an integrated part of your team, we can help:

- navigate regulatory frameworks for project approval and funding;
- review and analyze your proposed budget allocations and current contract commitments to ensure your proposal and project estimates are competitive;
- identify discrepancies or inaccuracies in your documents to avoid costly change orders;
- provide support regarding options analysis and business case development;
- provide expert guidance on planning and executing land transactions, if needed;
- proactively identify, quantify and analyze risks that may arise during the delivery of your project; and
- develop a risk management plan and risk register with mitigation strategies based on your project's unique characteristics and risk profile.

Robust procurement planning

Procuring labour is a major hurdle for renewable energy projects, especially in remote locations where labour is costly. We can work with your team to source talent and ensure competitive wages are factored into your budget, so that your construction schedule stays on track.

Requiring a plan to mitigate budget risks related to material and equipment procurement is an unfortunate reality when working on a renewable energy project. Many specialized construction items, such as batteries, energy storage systems, solar panels, etc., have to be sourced and shipped internationally. Securing the best value for your money on these long-lead items, and locking in agreed-upon pricing, is only half the battle. Coordinating the timely delivery of these materials and ensuring they arrive at your job site undamaged is also a challenge. Our team works to overcome procurement issues on your behalf. We understand how these vendors work, know which items and equipment are most sensitive to supply chain volatility, and what it takes to secure these supplies for your project.

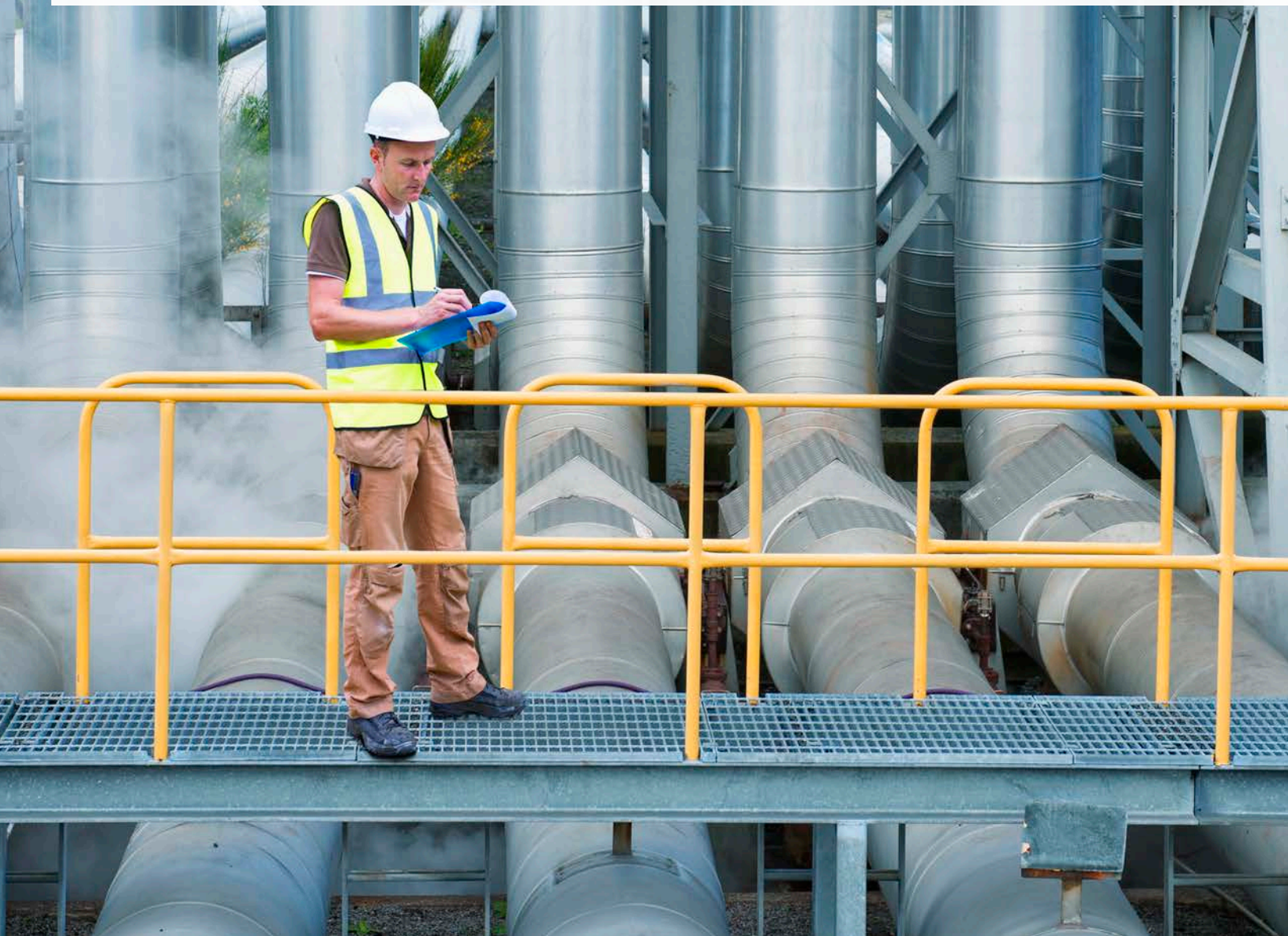
Our teams are currently supporting key renewable energy projects across Canada, including the Summerside Sunbank Solar Farm in PEI, NeToo Hydroelectric Facility in BC and the Tu Deh-Kah Geothermal Project in BC.



Rigorous and consistent project management

Our team has the technical knowledge required to help you efficiently navigate the vast scope of work involved in a renewable energy project. We make sure your project succeeds through the consistent application of a rigorous, proven project management process. This includes:

- establishing, managing and overseeing project goals and deadlines;
- monitoring project scope, schedule, risks and budget;
- performing site assessments and reporting on project progress;
- procuring specialty consultants and contractors;
- identifying key decision makers and establishing a decision-making process early on to help align stakeholder objectives and priorities, and reduce delays and scope creep;
- setting up an appropriate governance model, so all stakeholders understand their roles and responsibilities; and
- developing a comprehensive and clear communication plan.



National presence, local focus

30

offices across
Canada

ISO

9001:2015

250+

PMP-accredited staff

99%

on-time project delivery

15,000+

public- and private-
sector projects

1

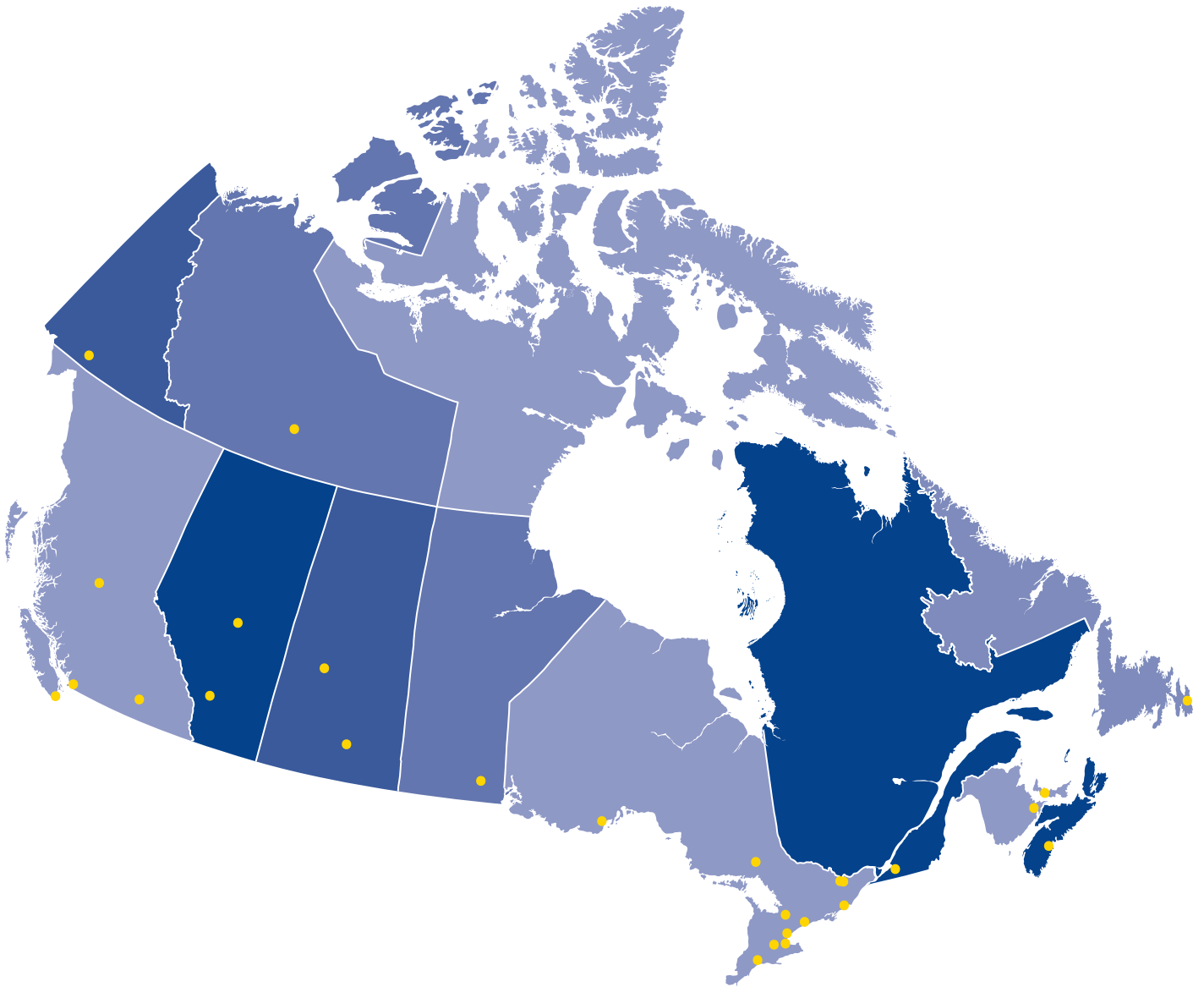
local point of contact and a
network of specialists for support

30+

years experience

75

Net Promoter
Score



Our full service offering

Get it Right Solution™

**Get it Right
Solution™**

Get it ready

Get it built

Get it performing

Get it ready

Enterprise program management

- Program/project management office (PMO) reviews, development and support
- Program/project governance and oversight
- Program/project management best practices, process mapping training and tools
- Project portfolio assessment management

Strategic portfolio intelligence

- Investment, feasibility and accommodation analysis
- Due diligence and needs assessment
- Business case preparation and development
- Portfolio optimization and revitalization planning

Get it built

Comprehensive project management

- Project oversight and monitoring
- Integration, scope, schedule, cost, quality, resources, communications, risk, procurement management and stakeholder engagement
- Sustainability objectives

Colliers Bid Document Review™

Constructability analysis

Design review

Dispute and claims resolution

Contracting and procurement advice and support

- Contracting and procurement options analysis
- Client bid procurement support and evaluation
- RFP development and implementation

Furniture, fixtures and equipment planning

Operational readiness, transition planning and efficiency assessments

Get it performing

Asset management

- Acquisition, investment and disposal strategies for real property assets
- Operational effectiveness
- Value, efficiency and cost optimization

Critical building systems review

Performance audits and reviews

- Compliance and improvement strategies
- Independent project reviews and health checks

Post-occupancy program

Warranty period oversight



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