



Engineering
for people



OUR EXPERTISE IN TRANSPORTATION ELECTRIFICATION





A LEADER IN CONSULTING ENGINEERING



EMPLOYEE-OWNED AND CLIENT FOCUSED

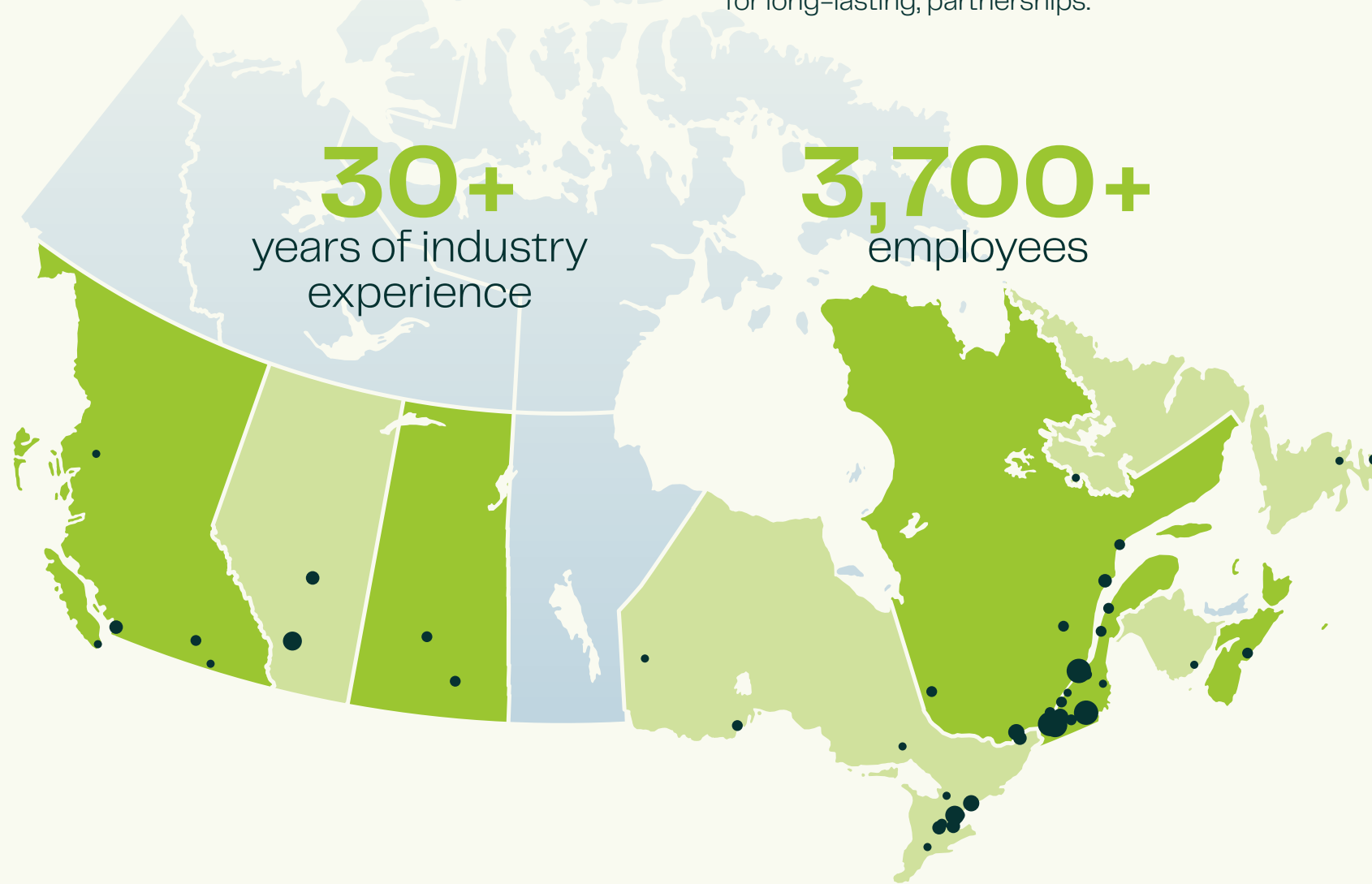
With more than 30 years of industry experience, CIMA+ is the consulting engineering firm of choice across Canada. Our interdisciplinary team works hand-in-hand with clients to deliver exceptional results on projects large and small.

We are proud to be employee-owned and rated one of Canada's best employers. This unique business model supports our strong culture of excellence, entrepreneurial spirit, and accountability. Clients love working with our talented roster of professionals and we take pride in delivering successful projects that set the stage for long-lasting, partnerships.

45+
offices across
Canada

30+
years of industry
experience

3,700+
employees



“ We wish to make a difference with our employees, clients, and business partners to shape an inclusive, fair and carbon neutral world. We must work towards this ideal that is not contrary but rather complementary to the sustained growth we are aiming to achieve. ”

Denis Thivierge, P. Eng.
President and Chief Executive Officer



CANADA 2023



EMPOWERING CLIENTS TO REALIZE THE ZEV TRANSITION (ZERO EMISSION VEHICLE)

The need to reduce our greenhouse gas emissions is one of the major concerns of our society today, forcing us to rethink the way we commute and distribute goods. This is where transportation electrification comes in, enabling us to reduce our dependence on oil and the atmospheric pollution it generates on a local and global scale.

WE'RE HERE TO HELP YOU MAKE THE ENERGY TRANSITION TO ELECTRIFICATION AND ADOPT SUSTAINABLE MOBILITY MEASURES.

Companies wishing to electrify their fleets and operations face several major challenges: the emergence of technologies that disrupt existing operating modes, forcing companies to rethink their infrastructure assets and practices; high investment costs perceived as risky; aging and often capacity-limited infrastructure assets; and uncertainty over the availability of electricity.

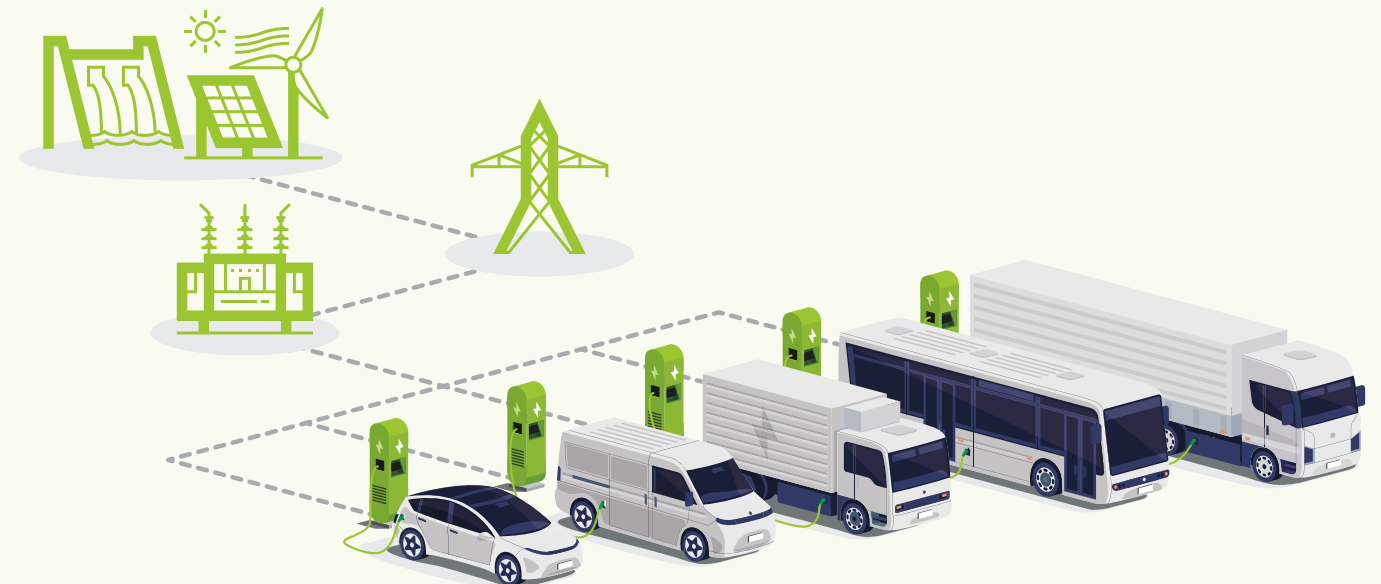
Thanks to an approach based on collaborative, multidisciplinary innovation, underpinned by technical engineering expertise and stakeholder consultation, CIMA+ sets itself apart by providing customized support to meet each of the major challenges identified. Our support starts with the process of brainstorming and strategy creation, right through to the implementation of major garage transformation projects and the adoption of charging and refuelling infrastructure through detailed engineering projects.

FACTS AND FIGURES

- By 2035, 100% of new light vehicles sold on the Canadian market must be zero-emission. Experts believe that a similar mandate with different objectives is going to be set by Canada, following the California Air Resources Board's objective to have 100% zero emission medium and heavy-duty vehicles by 2045.
- The Canadian government has set a target of completely transitioning Canada's bus fleets by 2040.
- EVs will consume 156.5 terawatt-hours of electricity per year by 2050* – equivalent to 22.6 per cent of electricity consumed in the country in 2020.
- New federal targets finalized in 2023 require ZEVs to make up 20% of all car sales by 2026, and 60% by 2030
- Electric vehicles have lower maintenance costs since they do not require oils, filters and have less brake wear.
- Canada will need approximately 500K public charging ports by 2035.
- One in two cars sold in the world will have an electric powertrain by 2035.

CIMA+ has already helped over 10 public transit companies in Canada to electrify their fleets. We are also supporting numerous heavy vehicle fleet operators (delivery and freight) in their transition. CIMA+'s work involves installing over 1,000 public charging stations (slow and fast charge).

CIMA+ supports private players such as Circle K, the Toronto Parking Authority, municipalities, and governments in the installation of charging stations.



* Source: <https://www.cbc.ca/news/science/electrification-grid-ev-heating-1.6935663>

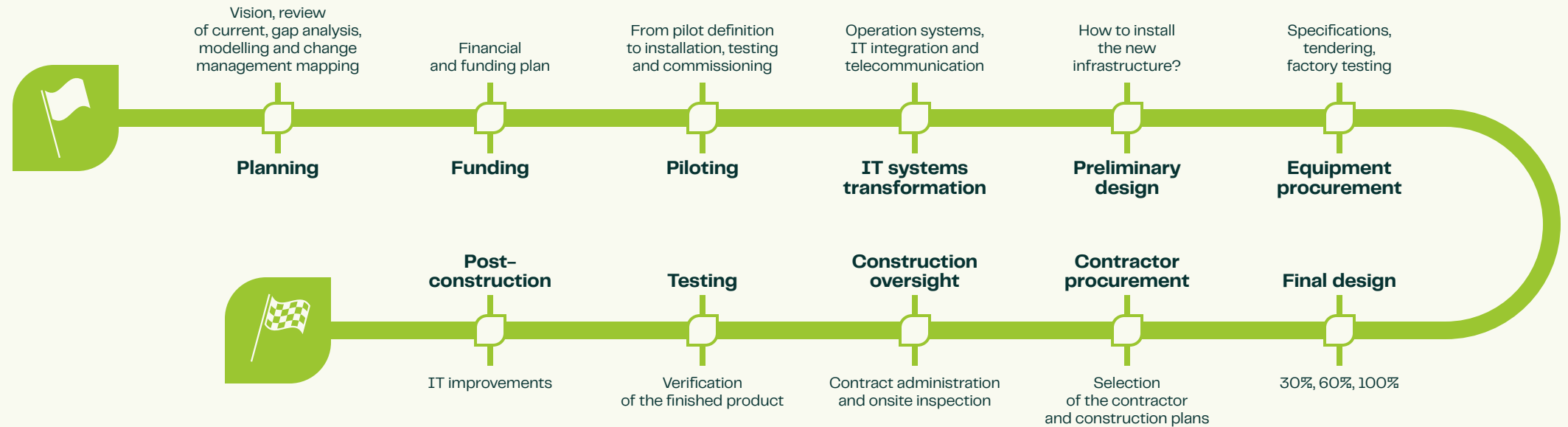


A STRONG TEAM WITH UNRIVALLED EXPERIENCE

More specifically, we provide the following services, from design to commissioning:

- Creation of detailed engineering drawings to enable the existing and new buildings and parking spaces to adapt to zero emission vehicles
- Financial analysis and funding/grant review support
- Support from the design of new buildings through to their construction
- Development of an electrification strategy specific to each fleet and type of activity, for various alternative technologies (batteries, hydrogen)
- Cost and risk analyses for the development of business cases
- Feasibility studies to review existing infrastructure assets and sites and propose realistic roll-out solutions
- Technical support for the acquisition of new equipment (recharging and filling infrastructure assets)
- Support in managing use (recharging, energy demand peaks)
- IT transformation plans
- Training of an IT team for systems management
- Change management (modification of existing business processes, service planning, evolution of tasks and roles)
- Ongoing training on emerging technologies in transportation electrification
- Analysis of the environmental impact of the project and of the life cycle of the batteries.
- Analysis of the impact of battery production on the environment.

TRANSPORTATION ELECTRIFICATION FROM A TO Z





WHY CIMA+?

A complete transportation electrification team:

- Design for the largest fleet electrification projects in Canada
- Canada-wide knowledge base-learning from projects completed coast to coast
- 80+ specialists in the complete range of disciplines for transportation electrification projects
- Participation in the first electrification projects in Canada
- Tailored transportation solutions
- Electrical leads in every region in Canada with up to 30+ years of experience
- Expertise in utilities and permitting in all major cities across Canada
- Cross company integration of services and expertise

INTERNAL NATIONAL TRANSPORTATION ELECTRIFICATION COMMITTEE

This committee brings together all of CIMA+ wide expertise and is backed by an executive commitment to our long-term growth in the market to become Canada's leading electrification partner.

- Broad, long-term vision of technology-driven improvements in transportation
- Access to industry trends and learning
- Sharing lessons-learned from coast to coast
- Powerful resource base for electrification projects
- Coast to coast available expertise
- Exposure for our clients' projects

MEMBERSHIPS:

Electric Mobility Canada

Electric Mobility Canada is an industry association that provides a national voice for transportation electrification from coast to coast. As a member of EMC, CIMA+ participates in several working groups, namely the one promoting the electrification of medium- and heavy-duty commercial vehicles, and the one seeking solutions to improve the charging infrastructure for these vehicles. This is an opportunity to put our experts to work providing recommendations for accelerating the adoption of zero-emission vehicles and infrastructure in Canada.

InnovÉÉ

InnovÉÉ is a Québec-based organisation that funds collaborative R&D projects in transportation electrification and clean energy technologies. As a member, CIMA+ actively contributes to innovations surrounding the development and testing of new batteries, zero-emission vehicle components, testing in cold weathers, and hydrogen. Through InnovÉÉ, CIMA+ gets the opportunity to partner with internationally renowned research chairs and academics partners.

Our Director of Transportation Electrification is the InnovÉÉ Board Chair.





CIMA+: A UNIQUE PARTNER FOR ALL YOUR CONSULTING ENGINEERING

We pride ourselves on our agility. By taking a multidisciplinary approach to the projects we are entrusted with, we can respond to an ever-changing market and offer our clients sustainable transportation electrification solutions. From brainstorming and strategy to design and construction management, you will benefit from streamlined collaboration for projects delivered quickly on time.



Buildings



Mobility and transit



Intelligent mobility systems



Earth and Environment



Power transmission and distribution



Energy storage



Power system studies and interconnections



Smart grids and electrical resilience



Mining and metals



Project management



Automation



Systems, software and data management



Infrastructure



Feasibility studies



Business cases



Modelling



Financing applications



1 Development of Circle K's charger network

2 Pierre-De Saurel wind farm, Pierre-De Saurel RCM, QCw

3 Travers solar park substation Vulcan, AB



FOR MORE INFORMATION, CONTACT US:

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WE HAVE A LOCAL PRESENCE FROM COAST TO COAST, ALL ACROSS CANADA.

Baie-Comeau Beauce Bécancour Barrie Bowmanville Burlington Calgary – Airport Calgary – Downtown
Clareville Edmonton – Downtown Edmonton – West Gatineau Granby Guelph Halifax Kelowna Kitchener
Labrador City Laval Lévis London Longueuil Mississauga Montréal Oakville Ottawa Québec City Red Lake
Regina Rimouski Rivière-du-Loup Rouyn-Noranda Saguenay Saint John, NB Saskatoon Sept-Îles Sherbrooke
Sorel-Tracy St John's, NL Sudbury Terrace Terrebonne Thunder Bay Toronto Vancouver Victoria West Kootenays

KINCENTRIC
Best Employer

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