THE IMPACT OF ALSTOM IN CANADA

2024

ALSTOM

Content

Foreword

Michael Keroullé
President and CEO Americas Region, Alstom

Alstom is a global leader in sustainable mobility, offering innovative rail solutions that connect Canadians to their work-places, schools, homes and, most importantly, to each other. Alstom is committed to its customers, its employees, and the communities it serves.

Alstom has been anchored in Canada for decades. Following the acquisition of Bombardier Transportation in 2021, the team has grown to 5,000 employees across the country and supports a high-value supply-chain that strengthens local economies nationwide. We are proud to produce trains right here in Canada, in fact we are the only company doing so, with production sites in both Ontario and Quebec.

While rolling stock manufacturing is at the heart of what we do, Alstom is much more than that. We offer turnkey solutions that include infrastructure, signalling, digital, cybersecurity, green traction, as well as operations and maintenance services, ensuring optimal asset life management and world-class passenger service.

Canadians are increasingly looking for transit options that are greener, safer, and more efficient. Every weekday we move over 3 million passengers in Canada[1], thanks to flagship projects such as Montreal's REM, the Vancouver SkyTrain, or the light rail vehicles in Toronto and Edmonton.

From our Americas headquarters and Green Innovation Centre located in Saint-Bruno-de-Montarville, on the South shore of Montreal, to manufacturing and operations sites from coast to coast, we're powering rail for Canadians and supporting our business across the Americas. This in turn drives strong economic impact in the country. In fiscal year 2023/24, we spent $448 million[2,3] buying goods and services from more than 900 Canadian suppliers and contributed over $575 million[4] to Canada's GDP. We also engage with local non-profit organisations, associations, academic and public institutions, demonstrating our commitment to corporate social responsibility here at home.

We are also taking the steps to help Canada achieve its decarbonization objectives by 2050, by developing green traction solutions and sustainable mobility innovations. As an example, Alstom successfully commissioned a hydrogen-powered passenger train in the summer of 2023, making Quebec and Canada the first jurisdictions to run a zero-carbon emission passenger train powered by green hydrogen in the Americas.

Alstom's ambition is to expand its capacities in Canada and continue to offer the most comprehensive range of mobility solutions to support its customers. In the coming years, we will keep creating good-paying jobs and supporting economic growth with our innovative, high-quality rail products made in Canada, for Canadians.

1 *According to the American Public Transportation Association (APTA)'s analysis of 2023.*
2 *All dollar figures in this report are in CAD unless indicated otherwise.*
3 *306.1 million euros calculated by EY, converted to CAD using March 31, 2024 exchange rate.*
4 *426.3 million euros calculated by EY, converted to CAD using March 31, 2024 exchange rate.*

Alstom Group at a glance

From high-speed trains, metros, trams, to turnkey systems, services, infrastructure and signalling, Alstom offers its customers the broadest portfolio in the industry. The company focuses its design, innovation, and project management skills where mobility solutions are needed most.

Alstom is the largest mobility solution provider in the world (outside of China) having generated revenues of 17.6 billion euros (~ 26 billion CAD) for the fiscal year ending on 31 March 2024.

WORLDWIDE

84,700	184	254	64
employees	nationalities	sites	countries

Alstom's impact in Canada — Highlights

for fiscal year 2023-2024

NATIONAL RAIL MANUFACTURER

1 Only train manufacturer with facilities in Canada

5 manufacturing and engineering sites

Contracts and activities in Canada's largest cities

EMPLOYMENT

5,000 direct jobs

3,300 indirect and induced jobs

480+ internships since 2022

ECONOMIC CONTRIBUTION

$575 million
total GDP contribution (indirect and induced)

$448 million
in purchased goods and services

920 local suppliers

GREEN MOBILITY

2022
Green Innovation Centre for the Americas launched

1st
hydrogen train in commercial service in the Americas

SAFE, DIVERSE, INCLUSIVE WORKPLACE

23.9%
women in leadership roles (management, engineering, professionals)

4 Employee Resource Groups

0 severe accidents

COMMUNITY ENGAGEMENT

$697,000+
donated to non-profit organizations since 2021

40,000
beneficiaries through Alstom community actions since 2021

COMMITTED TO CSR Confirmed ★★ AFNOR CERTIFICATION

Global recognition for our Corporate Social Responsibility in Canada

In 2023, Alstom Canada received the Confirmed Corporate Social Responsibility Commitment label. This recognition demonstrates Alstom's contribution to sustainable development. Our Canadian operations are the first in the Americas region to receive this certification.

Canada's champion in the rail industry

A WORD FROM

David Van der Wee

Vice President, Rolling Stock and Components, North America

"Alstom has the most comprehensive portfolio of rail solutions on the market and its Canadian sites are equipped to deliver the right solution to each transit authority. Not only state-of-the-art rolling stock and components, but also digital signalling equipment and fleet modernization expertise."

Alstom is Canada's national train manufacturer. Since 2021, it is the only global rail company with an industrial footprint in the country, and a leading private passenger rail operator in North America.

Alstom's head office for the Americas region is based in Saint-Bruno-de-Montarville, on the south shore of Montreal. It has production and engineering sites in Brampton, Kingston and Thunder Bay in Ontario, in La Pocatière and St-Bruno in Quebec, as well as services sites across the country. We are actively contributing to the economy by investing in our facilities, creating jobs, and supporting local suppliers.

Alstom's largest shareholder is the Caisse de dépôt et placement du Québec (CDPQ), a $450+ billion global asset manager with long-term vision in sustainable mobility investment.

Alstom has substantial activities in most of the major cities across the country, from Montreal to Vancouver, the GTA, Ottawa and Edmonton.

Alstom has built close to 80% of all passenger rail cars in Canada, making it the number one choice for Canadian customers ordering new train fleets. Millions of transit users across Canada commute every day on vehicles built, maintained or operated by Alstom, or using an Alstom signalling technology.


1
Blair
99
469
B
6
OC Transpo
OC Transpo

CANADA'S RAIL MOBILITY SOLUTION MANUFACTURER

EDMONTON
VANCOUVER
LA POCATIERE
QUEBEC
THUNDER BAY
MONTREAL
ST-BRUNO
OTTAWA
KINGSTON
BRAMPTON
TORONTO

Major Contracts & Services

Manufacturing and Engineering

Headquarter for the Americas Region

DELIVERING ICONIC PROJECTS FROM COAST TO COAST

VANCOUVER

TransLink (SkyTrain):
Delivery of 235 new Mark V vehicles built in La Pocatière

EDMONTON

ETS:
26 LRVs manufactured in Kingston for the Valley Line Southeast, operations and maintenance

WATERLOO

GRT:
15 LRVs assembled in Kingston

OTTAWA

OC Transpo:
72 LRVs manufactured in Ottawa and Brampton and maintenance

TORONTO

TTC LRVs:
204 streetcars in operation and 60 new vehicles assembled in Thunder Bay

TORONTO

Metrolinx:
Delivering rolling stock, signaling and electrification infrastructure for the On-Corridor / GO Expansion

TORONTO

GTA Metrolinx LRVs
122 cars delivered from Kingston and Brampton for Eglinton (maintenance and operations), Finch (maintenance) and Hazel McCallion LRTs

TORONTO

Metrolinx:
979 bilevels cars built in Thunder Bay and GO Transit maintenance and operations

QUEBEC

Tramway:
34 LRVs to be built in La Pocatière and maintenance

MONTREAL

REM:
212 light automated metro cars, signalling, maintenance and operation

MONTREAL

EXO:
226 locos and coaches, maintenance and operations

MONTREAL

STM:
Control center for the network and 639 metro cars manufactured in La Pocatière

A WORD FROM

Jennifer Guillette

Urban and Mainline Maintenance Solution Director, North America

"The urban mobility market is booming in Canada, especially in the GTA. High-quality products and good asset management and maintenance are key to service reliability and passenger confidence."

4,963
DIRECT JOBS

3,296
INDIRECT AND INDUCED JOBS

575M$
INDIRECT AND INDUCED GDP CONTRIBUTION

CONTRIBUTING TO THE CANADIAN ECONOMY

In fiscal year 2023/24, Alstom's activities in Canada supported 8,300 jobs, including close to 5,000 direct employees, and its operations contributed $575 million to the country's GDP.

Alstom spent $448 million with 920 Canadian suppliers in 2023/24, representing more than half of its annual purchases (52%). Alstom also works diligently to ensure economic impact on local industries and businesses. Alstom has a dedicated Sustainable Procurement Policy, including an Ethics and Sustainable Development Charter for Alstom's Suppliers and Contractors. Alstom works with all its suppliers and contractors, to ensure its entire supply chain collaborates to honour these commitments.

CONNECTING PEOPLE AND COMMUNITIES

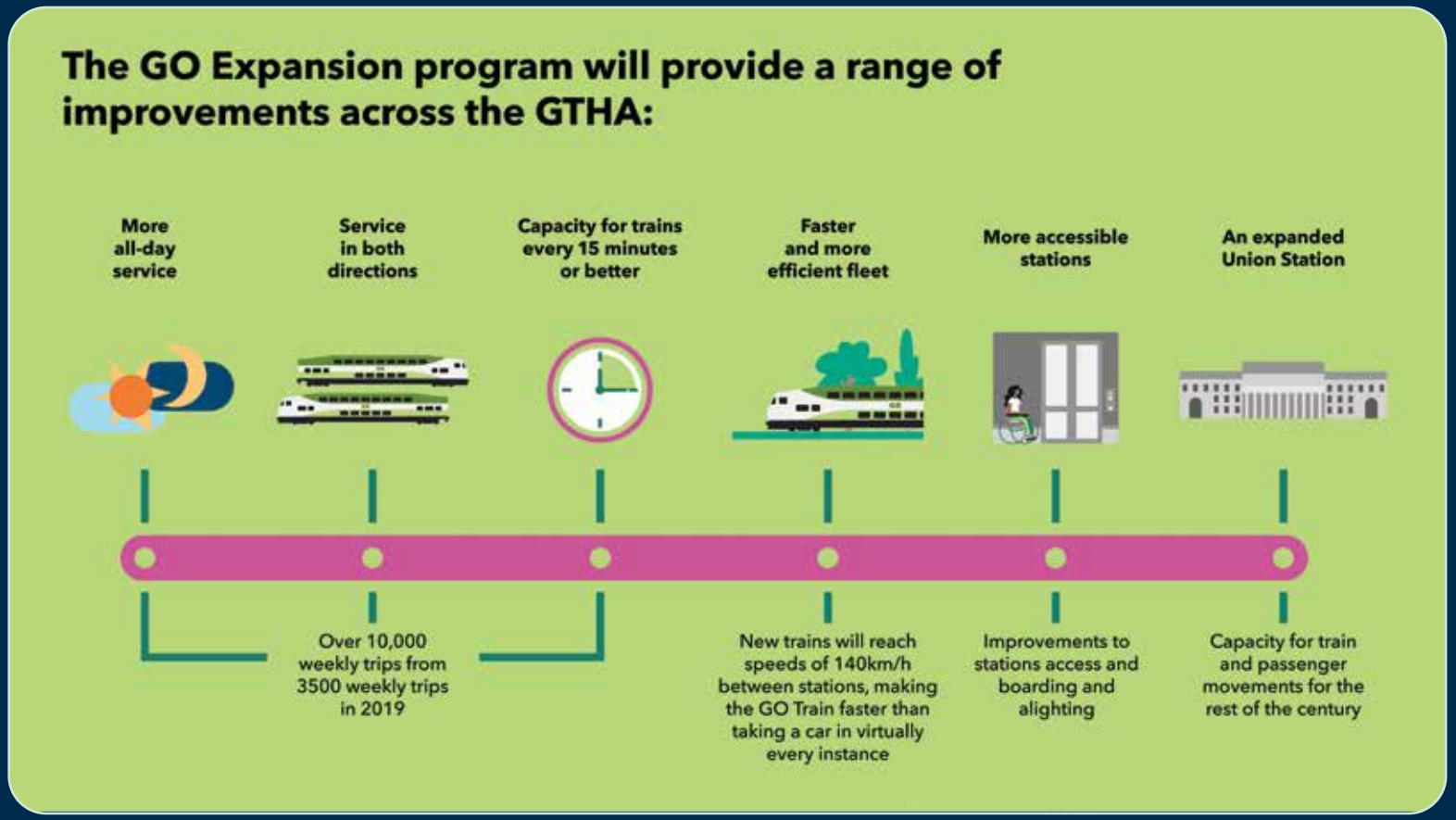
With its strong foothold and unique expertise in the Canadian market, Alstom is contributing to almost all the largest transit infrastructure projects across the country.

MOVING THE GREATER TORONTO AREA

Today, over 2,100 Alstom made-in-Canada cars service the Greater Toronto Area (GTA). On or under the streets, 95% of the GTA's fleet of vehicles for rail transit was built by Alstom in Ontario.

- The Toronto Transit Commission (TTC) network is the busiest system in Canada with 1,000,000 passengers every weekday in 2023. The TTC's rail-based vehicles are all Alstom made.
- Metrolinx's GO Transit rail transportation system and its Alstom-built vehicles serves close to 200,000 passengers per weekday and this number keeps growing.

THE LARGEST TRANSIT PROJECT IN NORTH AMERICA:
GO EXPANSION PROGRAM



The GO Expansion program in the Greater Toronto and Hamilton Areas (GTHA) is one of a kind in terms of scope and complexity. It is currently the largest transit program in North America, with the goal to improve the transit network connecting Toronto to its outskirts by making it faster and easier to travel. GO Expansion includes more frequent service in both directions, a fully electrified fleet, station renovations, bridge and tunnel expansions and maintenance facilities.

This game-changing project is directly boosting job creation in the region, in addition to reducing greenhouse gas (GHG) emissions. Alstom's scope within the consortium delivering on this project includes electric rolling stock, coach upgrades, train control and signalling systems, new traction power system and network electrification.

THE MOST ADVANCED AUTOMATED RAIL NETWORK IN THE WORLD: REM IN MONTREAL

The first metro system to enter service in Montreal in over 50 years, the Réseau express métropolitain (REM) is the most advanced, automated light metro in the world. Alstom is part of a joint venture providing rolling stock, signalling and communication, platform screen doors, depot equipment and 30 years of operations and maintenance.

The first section of the 100% electric metro network is connecting Montreal downtown to the south shore and carries between 25,000 and 30,000 passengers daily. When completed, the REM will serve 26 stations over 67 kilometers – linking Montreal's city center to its suburbs and the international airport.

Since its opening, the REM has offered an availability rate of over 99%.

A WORD FROM
Jean-Michel Morvan
Director, REM
Project Consortium

"The technology and benefits brought by the REM in Montreal are our best asset to demonstrate our local impact and long-term commitment to a sustainable future."

LIGHT RAIL VEHICLES (LRVs) BUILT FOR OUR WINTERS

Canadian temperatures can dip to -40C in the winter and soar to +40C in the summer. As cities across North America are increasingly adopting LRVs as the best response to their mobility and urban development needs, our team brings this unique climate expertise to every project we design, manufacture and service. Transit users can count on optimal comfort regardless of weather conditions.

OTTAWA

Over 170 employees are dedicated to the service and maintenance of the Confederation Line in Ottawa. The 72 cars serving the line are built in Ottawa and Brampton, Ontario.

EDMONTON

Over 150 people delivering operations and maintenance until 2050, for the newly opened Edmonton Valley Line Southeast LRT. Alstom built all 26 of the system's low-floor LRVs in Kingston, Ontario.

VANCOUVER

235 new gen vehicles are being built and tested in La Pocatière, Quebec, and Kingston, Ontario for the Vancouver Skytrain.

Leading the way to green and smart mobility

Transportation is the second largest source of greenhouse gas emissions in the country. To reach its 2050 net zero emission commitments, Canada is taking action to electrify transportation. Trains being the cleanest mode of transportation of people and goods, Alstom is uniquely equipped to support the journey towards a decarbonized transportation sector, thanks to its diversified green-mobility portfolio.

In 2022, Alstom launched its Green Innovation Centre in the Greater Montreal area to accelerate innovation in carbon-neutral rail mobility solutions. In the Charlevoix region in 2023, Alstom and its partners successfully introduced the Coradia iLint™, the first hydrogen-propulsion train in commercial service in the Americas.

A NEW GREEN INNOVATION CENTRE

In July 2022, the Green Innovation Centre was created with the mission to develop future platforms for hybrid, battery or hydrogen propulsion technologies specifically tailored for the North American freight and passenger rail market.

Located in St-Bruno, it ensures unprecedented synergy through its proximity to the 500+ Alstom engineers currently working on the site as well as to dedicated prototyping facilities. Its 60+ employees work closely with key players from the Quebec's research and innovation sector, as well as industrial and academic partners in the battery and hydrogen industries.

Coradia iLint™ in the Americas
in partnership with:

Québec

accelera by Cummins

TRAIN de Charlevoix

Harnois Énergies

HTEC FUELING THE DRIVE TO HYDROGEN

UQTR Université du Québec à Trois-Rivières

A WORD FROM
Éric Rondeau
Director, Green Innovation Centre

"The Coradia iLint™ demonstration project held in Charlevoix was a giant step in mobility decarbonization in North America. We leveraged our expertise to bring industry players together to actively lead the fight against climate change."

34
COMMERCIAL, GOVERNMENTAL, AND REGULATORY DELEGATIONS FROM ALL OVER NORTH AMERICA.

22 tons
CO_2 EMISSIONS AVOIDED

8,400 L
DIESEL AVERTED

10,000
PASSENGERS

CORADIA ILINT™ IN THE AMERICAS: AN AWARD-WINNING DEMONSTRATION PROJECT

In 2023, Alstom's Coradia iLint™ became the first hydrogen passenger train in commercial service in the Americas. The demonstration project took place close to Quebec City, in the UNESCO protected Charlevoix Biosphere Reserve and its results will chart the next steps to implementing zero-emission propulsion technology and foster the adoption of green transportation on the continent.

This project was also the first demonstration of the green hydrogen ecosystem in the region, involving local and agile Canadian private and public partners. It was a breakthrough praised by multiple organisations.

Coradia iLint™ project has been recognized by:

Canadian Hydrogen Convention

CUTA ACTU

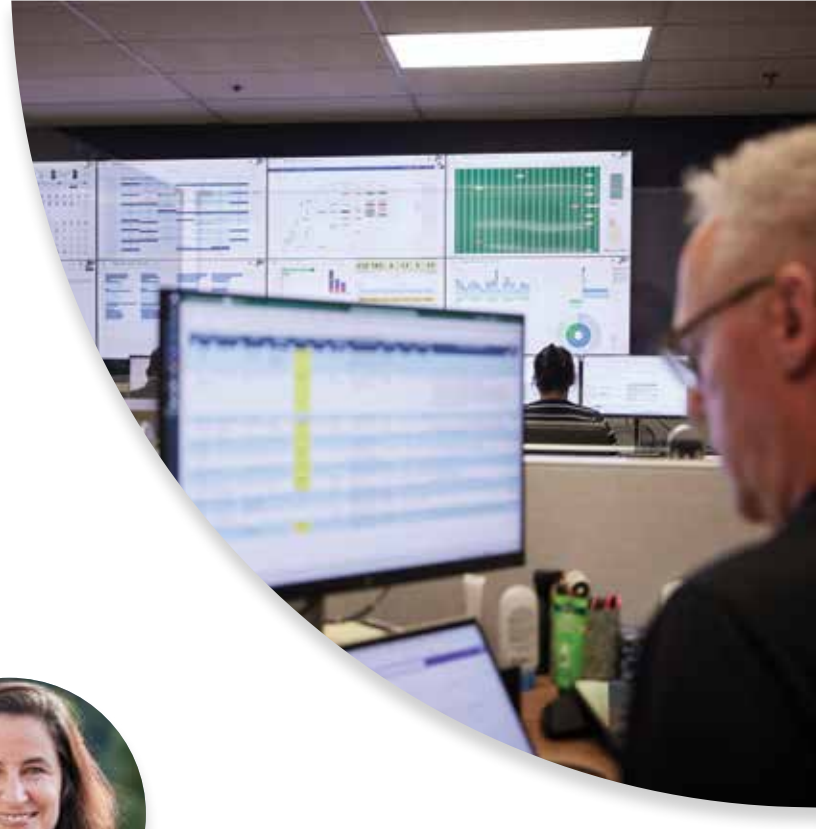
ENHANCE PASSENGER EXPERIENCE THROUGH DIGITAL TECHNOLOGY

Public transportation uses increasingly sophisticated smart systems, which offer operators significant opportunities to reduce headways between trains, safely add capacity on their rail networks and further reduce environmental footprints.

For example, the Toronto Transit Commission Line 1 Communications Based Train Control (CBTC) signalling solution increases capacity by approximately 20% on one of the busiest metro lines in North America.

In Montreal, the REM's GOA4 technology is the highest level of autonomous technology currently available on the market. The vehicle doesn't need any staff on-board and doors at stations are fully automated.

Alstom is also deploying HealthHub™ in Canada. It's a smart solution capturing data through real-time monitoring and the use of advanced AI-based algorithms that optimizes equipment maintenance and replacement without affecting fleet availability and commercial service. Data analysis is centralized at the new Alstom Digital Monitoring Center, located in Saint-Bruno-de-Montarville.



A WORD FROM

Josée Ouellet

Vice-President, North America Services

"Alstom's new Digital Monitoring Centre is the first of its kind in North America. Our experts are available 24/7 for remote troubleshooting, using data from trains and wayside equipment to measure and monitor performance. Customers already receiving service from dedicated on-site teams, are now directly benefiting from almost 1,000 additional remote experts."

MAKING ALSTOM'S ACTIVITIES AND FOOTPRINT MORE SUSTAINABLE

Alstom is committed to environmental excellence and has the ambition to achieve net-zero emission in value chain by 2050. In July 2023, Alstom's emissions reduction targets were approved by the Science Based Targets initiative (SBTi) and were expanded to cover the whole value chain by fiscal year 2030/31 as follows:

40%
REDUCTION IN ABSOLUTE EMISSIONS FROM OUR SITES
(Compared to fiscal year 2021/22)

42%
REDUCTION IN PASSENGER SOLUTIONS CARBON INTENSITY
(Compared to fiscal year 2021/22)

30%
REDUCTION IN SUPPLY CHAIN CARBON INTENSITY
(Compared to fiscal year 2022/23)

Further to its commitment towards climate impact, Alstom prioritizes waste management and recycling improvements across its sites with the global target to reach 85% recycling rates by fiscal year 2029/30. Moreover, using its Eco-design approach, Alstom is dedicated to maximize the recyclability of its product with a rate of up to 97% and has the ambition to have 40% recycled content in newly developed trains and infrastructure by fiscal year 2029/30.

In Canada, in fiscal year 2023/24, our manufacturing sites and offices accounted for 8,000 tons of market-based CO2e emissions, a reduction of 5% compared to the previous year. To meet our decarbonization commitments, our sites define energy and carbon reduction plans and deploy several initiatives, such as auditing and assessing energy conservation measures, converting to LED lighting, implementing sensors, recommissioning our buildings and transitioning to energy-efficient equipment. In fiscal year 2023/24, our sites in St-Bruno and La Pocatière participated in Hydro Quebec's renewable energy certificate pilot program. By 2025, Alstom will be certified as purchasing 100% of its electricity from renewable sources in Canada.

83%
RECYCLED WASTE IN CANADA

COMMITMENT TO INCREASE TO 90% BY FISCAL YEAR 2026/27

ISO 14 001
STANDARD

4 SITES CERTIFIED IN CANADA
(Thunder Bay, La Pocatière, Kingston, St-Bruno)

A WORD FROM

Katya Lyane
Process Performance and ESG Director, Americas

"On our sites, our passionate CSR ambassadors are making an impact on environmental topics by engaging our employees and community partners in events, such as Earth Day, Sustainability Week, and Car-Free Day. We also organize discussion groups, webinars and share best practices across our sites."

PROMOTING CLEAN MOBILITY AT HOME AND ABROAD

Alstom and Export Development Canada (EDC) signed a Sustainable Global Corporate Partnership agreement worth $3.5 billion to promote investments in clean mobility worldwide. This partnership builds on shared commitments to work towards decarbonizing economies and achieving the COP21 net-zero objective by 2050.

A WORD FROM

Sven List

Senior Vice-President, Corporate and International Group at EDC

"The demand for greener, more sustainable global mobility is rising and Alstom is delivering. Their innovative approach to rail is helping lead societies to a lower carbon future while ensuring cities around the world can respond to their growing transportation needs."

Employer of Choice in Canada

ALSTOM CERTIFIED TOP-EMPLOYER IN CANADA SINCE 2022

top EMPLOYER CANADA 2024
CERTIFIED EXCELLENCE IN EMPLOYEE CONDITIONS

Alstom provides a safe and inclusive work environment to 5,000 skilled employees from diverse backgrounds, across our Canadian sites. Alstom offers development opportunities including leadership programs tailor-made for women leaders, senior and first level managers, as well as internship and mentorship programs.

At Alstom, we always seek to build mutually beneficial relationships with industrial, community, academic or associative partners, supporting our local growth while achieving common objectives for the benefit of our communities. Alstom's partnerships with universities naturally align with its recruitment needs and its research and development strategy to decarbonize mobility.

In recent years, Alstom is proud to have established important collaborations with higher education institutions in Canada on themes as diverse as sustainability policies, emerging green propulsion technologies, rail and digital skills development and the promotion of women in STEM.

LEADERSHIP & MENTORING	TRAINING	INTERNSHIP
350+ PARTICIPANTS	**30+** TRAINING HOURS DELIVERED PER EMPLOYEE	**480+** INTERNS SINCE 2022

INVESTING IN OUR TALENT

A WORD FROM
Pooja Gidwani
From intern to full-time employee in Montreal, QC

"My incredible journey at Alstom seamlessly blended my academic background and passions. I felt welcomed, and my insights were valued by senior leaders. Alstom's internship program was a revelation, reflecting Alstom's commitment to nurturing talent and crafting meaningful careers."

Our collaborations:

Carleton University
Confederation College
Earth District
ÉTS École de technologie supérieure Université du Québec
McGill
OntarioTech University
Polytechnique Montréal
UQTR Université du Québec à Trois-Rivières
York University

COMMITTED TO GENDER BALANCE

Alstom is driving gender balance through various internal initiatives, and external partnerships such as with the *Women in Governance* Certification program and The *A Effect* leadership program. We aim to increase the number of women across the organization, and accelerate the progression of women into managerial, engineering, and professional (MEP) roles.

WOMEN in GOVERNANCE

The A Effect

EMBRACING DIVERSITY, EQUITY AND INCLUSION (DEI)

We believe that the diversity of our people is our greatest strength, and we strive to build a culture of inclusion where every single talent in our region can thrive and develop a long and successful career building the future of sustainable mobility. Our Employee Resource Groups (ERGs) are employee-led, benefiting from executive sponsorship and financial support, which ensures we focus on the inclusion initiatives mattering the most to our employees. Alstom has four ERGs with leaders and active chapters in Canada *(Women of Excellence, Black Leaders of Excellence, True Colors, Asian and Pacific Islander Experience),* and one in development for people living with disability.

In addition, the Americas DEI Council was launched in 2024, to integrate the efforts of the Employee Resource Groups with the business, with a primary objective to establish initiatives and programs that cultivate a diverse, equitable, and inclusive culture across Canada and the region.

18.1%
WOMEN IN WORKFORCE

23.9 %
WOMEN IN MEP ROLES

1.2
TOTAL RECORDABLE INJURY RATE WITH TARGET TO REDUCE YOY
(Based on 1 million hours)

CELEBRATING OUR PRIDE AT WORK

Alstom's Canadian staff founded Alstom True Colors, our employee resource group for LGBTQ+ workers in 2022. In 2021, at the height of the global pandemic, they launched a virtual pride parade, called the Rainbow Train. By 2022, the initiative found success around the globe. More than a thousand Alstom participants from 25 countries move our virtual train around the world by logging their steps during pride month. Alstom earned the 2023 CUTA (Corporate leadership Award) for the Rainbow Train initiative.

In June 2024, Alstom joined Pride at Work Canada (PaWC). PaWC offers robust tools and resources to build LGBTQ+ inclusive workplaces such as events, resources, leadership programs and workplace audits.

PROVIDING A SAFE WORK ENVIRONMENT

At Alstom, safety in the workplace is paramount. Our manufacturing and engineering sites in St-Bruno, La Pocatière, Thunder Bay and Kingston are ISO45001 certified, enabling a safe workplace, preventing work-related injury and ill health, and improving Occupational Health and Safety performance. We strive for zero accidents and incidents and focus on preventive actions, such as Alstom's Zero Deviation Plan.

As an employer of choice, the health and wellbeing of our employees and contractors is a permanent focus and we continuously educate our people on ergonomic conditions and deploy physical and mental health initiatives.

Our sites conduct risk assessments to identify potential hazards and implement controls to prevent incidents. We perform regular workplace inspections to ensure that all safety procedures are followed. Alstom also invests in the training and development of its employees to increase their knowledge and awareness of workplace safety.

1,800+
EXECUTED RISK ASSESSMENTS

13,700
WORKPLACE INSPECTIONS PERFORMED

ISO45001
OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

BUILDING STRONGER COMMUNITIES
OUR CORPORATE SOCIAL RESPONSIBILITY PROGRAMS

$697,000+
CHARITABLE CONTRIBUTIONS GRANTED SINCE 2021

40,000
PEOPLE BENEFITED FROM COMMUNITY ACTIONS SINCE 2021

As a responsible corporate citizen, we commit to support local communities and have a positive impact where our customers and employees live and work. Our social engagement and community actions are structured around three priorities :

1. Education: We partner with local institutions to promote educational and research opportunities, with a focus on STEM fields.

2. Environment : We partner with communities, organizations and authorities for projects focused on decarbonization, biodiversity preservation and circular economy.

3. Local communities : We partners with local associations to address vulnerable population's needs through fundraising, donations and volunteering.

United Way Centraide

$320,000 raised and 500+ beneficiaries since 2021 with Centraide and United Way Canada to support and raising the living conditions of the most vulnerable members of the community. Alstom matched every dollar raised by its employees.

$150,000 donated over three years, with 140+ beneficiaries to Montreal Children's Hospital enhancing support for refugee or immigrant patients and their families.

75,000 trees planted in our Kingston site, ON, to contribute to biodiversity protection

A WORD FROM
Valeriia Orzenko
Head of Human Resources and CSR champion for Thunder Bay, ON

"In a northern area like ours, our positive impact on the community strengthens the local economy and our public services. This is a great opportunity for us to create value for all members of society."

ALSTOM FOUNDATION

Based in Saint-Ouen, France, the Alstom Foundation funds projects around the world proposed by our employees, who team up with non-profit organizations supporting socio-economic development and environment improvement, as well as access to mobility, energy and water in communities located near Alstom facilities and project sites.

The Foundation notably supported No. 9 and its innovative educational program in Ontario.

A WORD FROM

Andrew Davies, No. 9

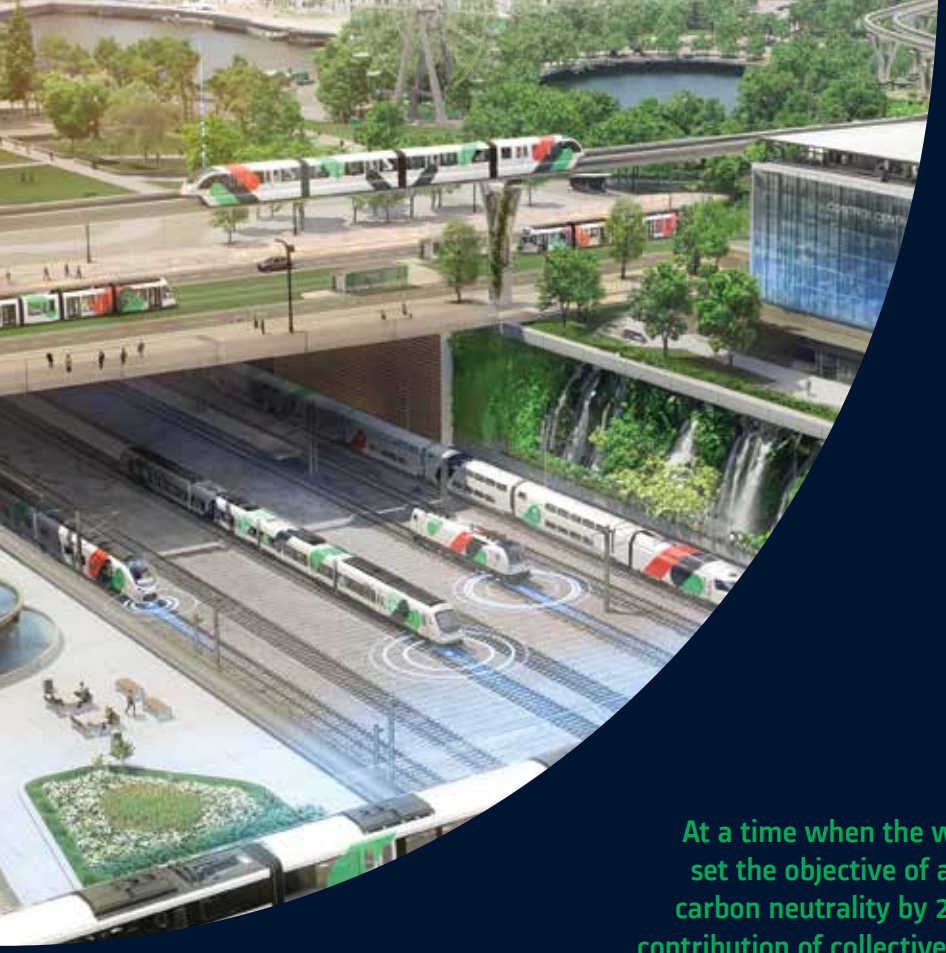
Founder and Executive Director

"Alstom Foundation's contribution to No.9 helps students better understand how they can reduce theircarbon footprint by providing them with innovative actions on how to build low-carboncommunities. Through education, we introduce the next generation to a culture of sustainability."

THE NO. 9 PROJECT

As of June 2023, the No. 9 organization delivered its four-day Imagining My Sustainable Community educational program on how to build sustainable cities, including public transportation, in 12 high school classes in Kingston, Toronto, Hamilton and Ottawa, involving a total of 334 students. Workshops were delivered by professional architects, designers and artists in the classroom. Upon completion of an architectural scale model, students presented their sustainable community ideas to school and local representatives for feedback.

For example, some students from T.L. Kennedy Secondary School in Mississauga were interviewed by CBC Radio to share their program experience and their ideas for a sustainable city. In Odessa, students worked on the conservation of heritage buildings while addressing affordable housing, while Kingston's Central Public School considered improving Ontario Street, a main avenue in the city, by adding bike lanes and a tramway. Many of these student presentations included participation from city councillors and municipal staff in charge of redevelopment.



Future outlook
Supporting Canada's 2050 Net-Zero Emissions Ambitions

Our governments are taking the right steps to accelerate the sustainability transition by investing in new public transportation systems, creating financial and regulatory incentives to change our lifestyle and daily habits, and promoting new technologies supported by clean energy.

Much work remains to be done and the clock is ticking. The modal shift promises to be radical. Substantial investment in efficient, environmentally friendly and modern transportation infrastructure and technology, both for freight and passenger transportation, is an essential step towards achieving Canada's environmental goals.

Canada is the second largest country in the world. It was historically built on rail linking its territories and communities from one ocean to the other. Today, it has nearly 50,000 km of tracks, with less than 1% electrified (in comparison, Europe, India or China, for example, have more than 50% of their networks electrified). Canada's passenger diesel locomotive fleets consume more than 100 million liters of diesel and produce more than 300,000 tons of CO_2 per year. Its public rail transport systems within its largest cities (metros, light rail systems, commuter trains or trams) are often aging or still underdeveloped.

At Alstom, both our strategic plan and our innovation trajectory allow us to be among the best positioned to meet sustainable mobility needs in Canada and elsewhere in the world. Our mission is to lead society to a low-carbon future; our business responsibility is to always stand ready to offer our expertise and green solutions wherever they are needed.

At a time when the world has set the objective of achieving carbon neutrality by 2050, the contribution of collective mobility and, more specifically, electric mobility will be key. This is even more true in Canada, where the transportation sector is the second largest emitter of GHGs.

Low to zero emission rail mobility solutions are already here: hybrid, battery and hydrogen propulsion trains are in commercial service in many countries around the world. These solutions are now coming to North America. They are currently being adapted for the unique regulations, geography and northern climate of Canada. Alstom is the global pioneer in this domain and has already demonstrated its leadership here, as we saw with the creation of its new Green Innovation Centre in the Montreal area in 2022 and its hydrogen train demonstration in Charlevoix over the summer of 2023.

Thanks to our history, the unrivaled expertise of our local employees and our unique industrial footprint in the country, Alstom will continue to invest significantly here, at home. We offer our Canadian customers the most innovative and sustainable mobility solutions that benefit transit users while supporting cities' urban development plans and decarbonization objectives.

Alstom will also continue to play its role at the core of a strong, local ecosystem of hundreds of suppliers, supporting good-paying jobs and providing sustained economic growth in this country. Finally, Alstom will continue to give back to communities wherever it operates, as it fully and proudly embraces the corporate social responsibility that comes with being among the largest Canadian employers.

Low or zero emission rail mobility solutions are already here

Methodology

Olivier Baboulet
EY Partner

The study conducted by EY delves into the profound impact of Alstom within the Canadian landscape. This investigation is rooted in the identification, calculation, and evaluation of key performance indicators (KPIs) related to Alstom's corporate social responsibility (CSR) strategy pillars. The selected KPIs encompass a socio-economic analysis that utilizes a multi-regional input-output model, enabling us to quantify Alstom's contributions to Canada's development, specifically in terms of job creation and value generation. These socio-economic indicators rely on an advanced methodology that incorporates Alstom's data and leverages external databases, notably EORA.

The exact numbers and statistics given are for the fiscal year April 1, 2023, to March 31, 2024. Some facts may have occurred outside this period, but they are all representative of Alstom Canada's activities at the date of issuance of the report.

The model used by EY to represent the socio-economic rippling effect within a given territory is based on the work of economist Wassily Leontief, who earned the Nobel Prize in Economics in 1973. This research is centered on the use of symmetric input-output tables to simulate the interdependence of all sectors of an economy. Moreover, since the model is linear, any economy of scale is ignored.

By combining this modelling of the economy along with the employment intensity of each sector, it was possible to determine the indirect and induced socio-economic benefits. Those results are being derived from all Alstom's activities worldwide and all global procurement. They are shown at a Canadian level but reflect the global supply chain of Alstom along with the goods and services exchange made between economic actors of all the countries in the world.

1
DIRECT EFFECTS

The contribution of the activity/ entity itself to the entire economy (e.g. in terms of the number of employees working for Alstom).

2
INDIRECT EFFECTS

To "produce" direct effects, a company needs to acquire goods and services (e.g. scrap metal, electricity, technical analysis services, etc.) from suppliers. Those suppliers increase their production and hire additional staff, in order to meet the demand of Alstom, thus generating indirect effects on jobs. Suppliers themselves cooperate with additional firms (their suppliers), creating a second- rank effect that is also part of the indirect effects generated by the company. The model adds up first, second, third-rank effects and so on, all along the supply chain.

3
INDUCED EFFECTS

Induced effects are the results of increased household expenses caused by the labor in-come of direct and indirect jobs. The induced effects are generated by employees spending within the business' supply chain. Employee spending generates more demand in the economy, which leads to more production and, in turn, more profits, value-added (GDP contribution), employment, taxes, and so on.

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Graphic design: VASCO Design.