



**UK Electrification Delegation**  
**June 26 – 30, 2023**  
**England**

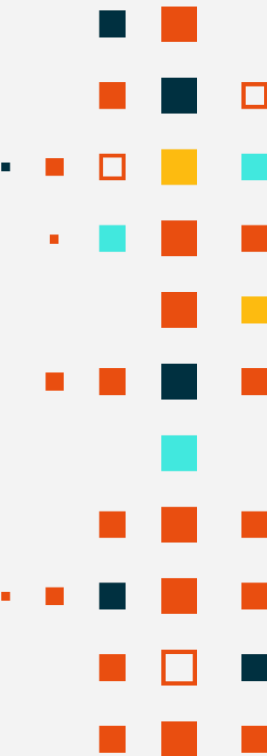


# About the UK Electrification Delegation

NGen's UK Electrification Delegation partnered with Canadian High Commission, London, and their Canadian Critical Minerals Technology Partnering Delegation to the UK to provide a collaborative experience for their up-stream delegates and our mid-stream value chain companies in Canada and to promote their capabilities. It was a blend of relevant factory tours, networking opportunities, and attending the UK's largest Vehicle Electrification Expo, Battery Cells and Systems Expo, and Advanced Materials Show.

Global Affairs Canada, through the High Commission of Canada in London and in collaboration with the National Research Council Industrial Research Assistance Program (NRC IRAP) and Next Generation Manufacturing Canada (NGen), will be pleased to receive your application to participate in the Canadian Technology Partnering Delegation to the UK focused on Critical Minerals.

The delegation is designed to increase awareness of the opportunities available within the U.K. market. It will focus on introducing Canadian SMEs, with innovative technologies and solutions for the Critical Minerals supply chain, to potential British partners.



# NGen Delegates

## NGen Delegation

Abby McLean, Calogy Solutions

Bobby Ziner, Advanced Bio-Materials Technologies

Gina Succi, Westhill Innovation Inc.

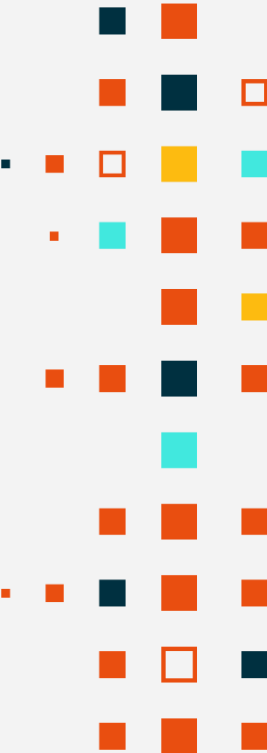
Sean Mario Hazaray, Haze Automotive

Christian Jones, Optel Group

Jayson Myers, NGen Canada

Robbie McLeod, NGen Canada

Bridget Bohan, NGen Canada



# About the Vehicle Electrification Expo

Event type: Vehicle Electrification Expo, Battery Cells and Systems Expo, Advanced Materials Show

Location: NEC, Birmingham, England

Description: Dedicated to the development and application of high-performance EV's.

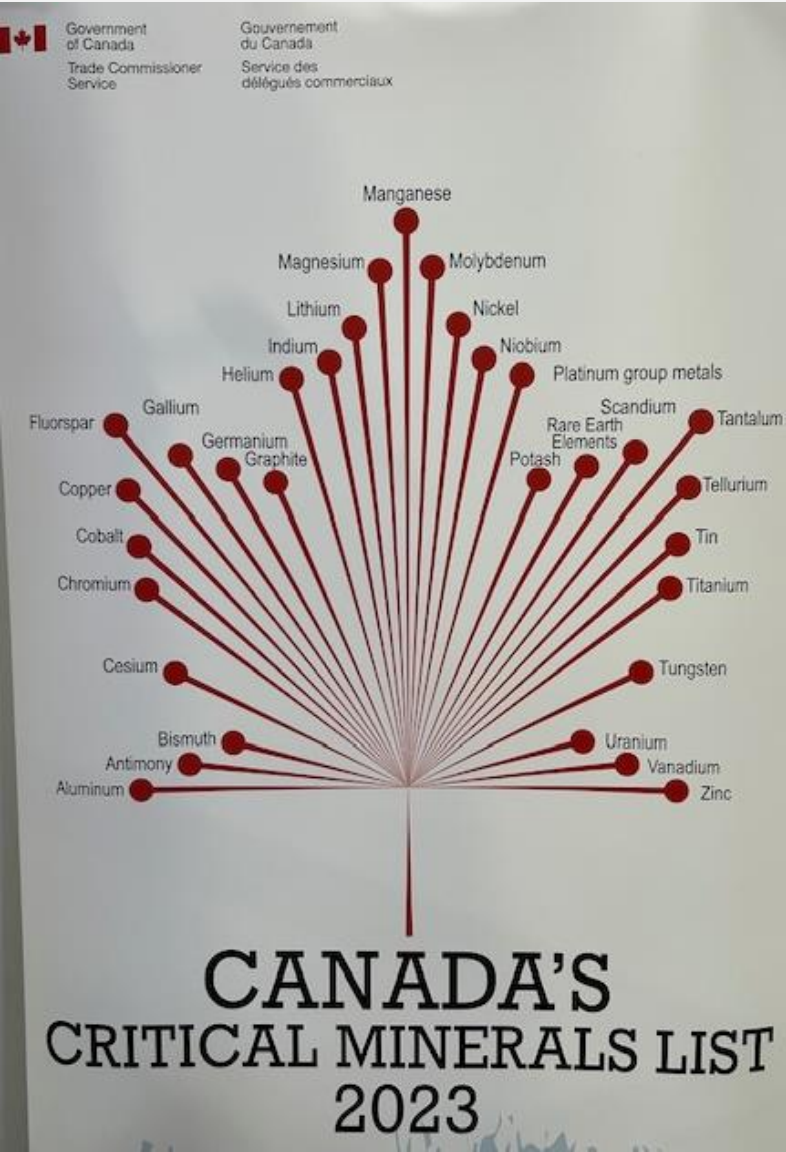
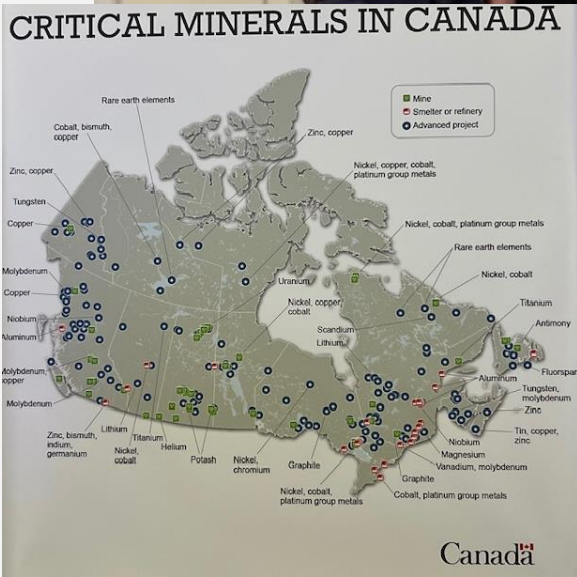
Event sector focus: Insight into current and future materials supporting vehicle electrification, battery cells and systems, and advanced materials.

Number of exhibitors: 300 exhibitors

Number of visitors: 4,000



# Trade Commissioner Service Booth

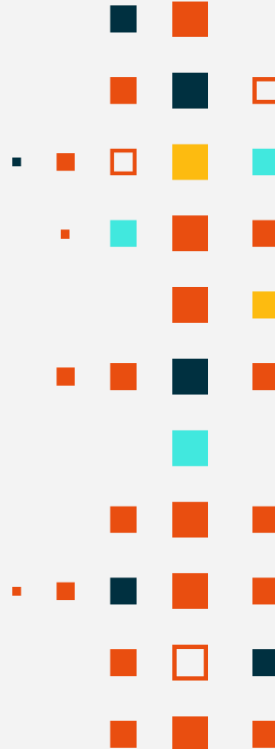




# Tours

## Alpine F1 Factory tour

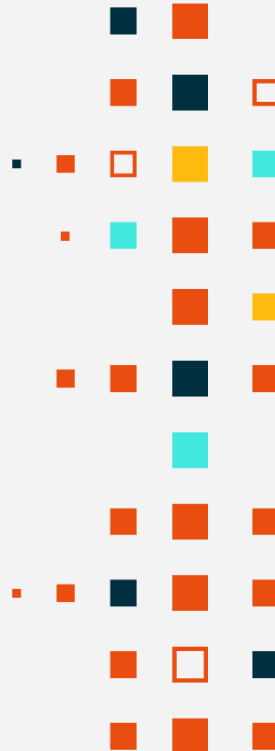
- Guided tour of R&D, daily innovation
- show car,
- discussion about taking heat produced by the brakes and converting it into electric energy stored in a battery,
- how materials, technologies, safety devices are trialed here then commercialized for car OEMs,
- 24/7 factory
- Additive manufacturing
- Ryan Reynolds announced on the day of our tour that he invested in Alpine!



# Tours

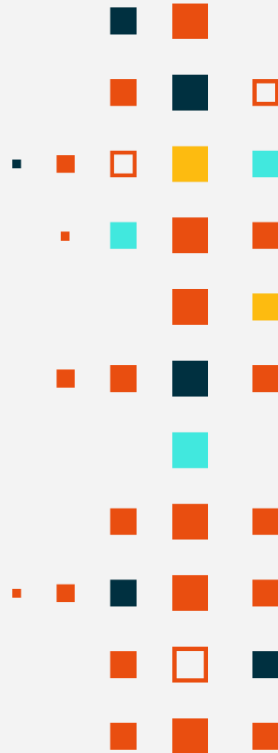
## Jaguar Land Rover

- Guided tour of entire Solihull factory
- 700 robots & 8,000 employees
- Over 3,000 Ranger Rovers roll off the line per day,
- Using AI for customization of each vehicle including left or right hand drive,
- By using robotics, AI and automation that is constantly calibrating itself there are no rejects



# Canadian Companies from the Trade Commissioners Service attending Jaguar Land Rover Factory Tour with NGen Canada

First Name	Surname	Job Title	Company
Adam	Harris	CEO	C-Therm Technologies Ltd.
Jim	Fox	Chief Executive Officer	Excir Works Corp
Hiwa	Salim	Chief Technology Officer	Excir Works Corp
Kiril	Mugerman	President and CEO	Geomega Resources Inc
Gordana	Slepcev	COO	Lomiko Metals Inc.
David	Novitski	Director of Government Relations and Funding	Mangrove Lithium
Priscila	Costa Lima	Director of Finance & Administration	Mangrove Lithium
Bing Cao	Bing Cao	Chief Executive Officer	Nanode Battery Technologies Ltd
Stephen	Woolfenden	VP Sustainability	Vital Metals Ltd Saskatchewan
Lisa	Riley	Chair, Vital Metals Canada	Vital Metals Ltd Saskatchewan
Walter	Cicha	Industrial Technology Advisor	National Research Council – Industrial Research Assistance Program





# Tours

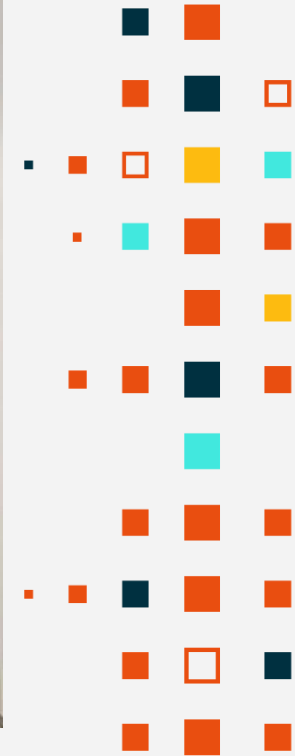


## WMG - University of Warwick

- Battery innovation, testing and recycling tour
- Applied research led by academics, engineers, underpinned by the state-of-the-art facility to bridge the gap between academia and industry
- Novonix, from NS, Canada was there collaborating with WMG

## UK Battery Industrialisation Centre

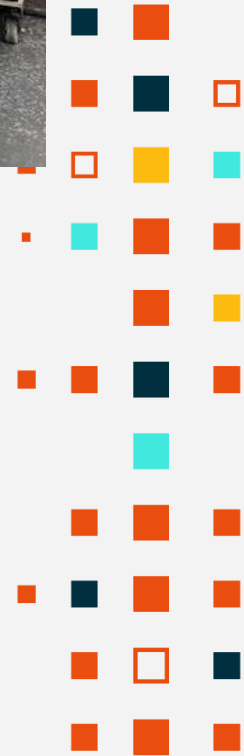
- Developing battery technologies and skills
- Networking event



# Tours

## Morgan Motor Company

- Luxury hand crafted sports car
- Founded in 1909





# NGen Media

**Bridget Bohan** • You  
Director of Business Development at NGen Canada - Advanced ...  
8mo • Edited • 📍

Thank you **Alpine** for the fantastic tour of your factory. Your passion for innovation is inspiring.

...see more



Driver	Time
George Russell	1:31.12
Esteban Ocon	1:31.16
Felipe Massa	1:31.17
Max Verstappen	1:31.18
Charles Leclerc	1:31.19

33 4 comments • 1 repost

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**Bridget Bohan** • You  
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Day 4 - come visit us at the NEC Birmingham Vehicle Booth 1110. **NGen Canada, Calogy Solutions, OPTI Innovation Inc, Haze Automotive, Advanced Bio-N**



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Just finished off a tour of **Morgan Motor Company** manufacturing site with a test drive through the gorgeous Malvern hills.



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Day 3 UK Delegation **JLR** Jaguar Land Rover factory tour, Solihull. 700 robots. 8,000 people. Amazing.

...see more



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Day 2 UK Delegation **WMG, University of Warwick** battery innovation, testing, and recycling tour.

...see more

**UK BATTERY INDUSTRIALIS CENTRE**



19 4 comments • 1 repost

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622 impressions View analytics

Over 5,200 impressions during the tour

# Impressions of UK Electrification Delegation

The event was good with lots of organizations to meet from across the UK. It was small enough that you could get around in a full day. While personing the Canada booth there were lots of interest in how companies from the UK could collaborate to access our minerals, mining and processing technologies, and partner with Canadian companies.

The tours were a critical part of the delegation. There were experts sharing their knowledge, what they had built, and how it is supporting their EV goals and their challenges.

The most meaningful message from my perspective was from the Alpine F1 tour. (I am paraphrasing) “We are innovating daily and within two weeks that innovation is in our cars being tested. Without innovation we could no longer compete.” I love this mentality as it applies to all types of businesses, to have the agility and response time for continuous innovation is key to survival and growth.

Each of the delegates came away with real actionable connections from across the UK as well as the other Canadian delegate companies they met while participating in the tour.





# NGen

