

# Meeting the demand for BEV Talent

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**Centre for  
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AT CAMBRIAN COLLEGE

**Corporate Training**  
**COLLÈGE BORÉAL**

# Roles of Educational Institutions

*Corporate Training Sector*

- Educational institutions play an integral role in the Battery Electric Vehicle industry by alleviating the skills gap and accelerating the adoption of battery electric vehicles.
- Academic programs offered by educational institutions offer advanced training and access to state of the art instruments and materials allowing students the tools they require to succeed in adopting and maintaining electric equipment safely and efficiently.
- To respond to the high demands of the BEV industry, upskilling existing employees and training new ones is critical.

# Training and Technology Adoption

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The key for success is to work with the industry to ensure we meet their needs

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Adopting new technologies in mining is challenging

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Barriers to adoption can be technical in nature as deviation from established practice carries risk

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Often, a barrier to adoption is more focused on people and training

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Does the workforce have the requisite skills to safely and efficiently adopt new technology?

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Short-term, intensive, technology-specific upskilling can help with readiness and adoption

# Technology Training Approach

BEVs present an adoption challenge that has technical and skills-based barriers at its core

Training elements important to upskilling include:

- ✓ Skills to apply safety procedures in a real working environment
- ✓ Basic knowledge and the fundamentals of Battery Electric Vehicles
- ✓ Strong level of comfort
- ✓ Hands-on!

# College Offerings

## **Battery Electric Vehicle Maintenance Program**

- ✓ Hybrid offering
- ✓ Theoretical and practical
- ✓ Plug-in Hybrid vehicles
- ✓ Testing center

Always evolving, working with consultative committees to ensure quality and relevance.

# Future Training Needs for EV Supply Chain



Mineral Extraction  
(Mining)



Battery  
Manufacturing &  
Recycling



EV Design &  
Assembly



Skills in Demand



EV Maintenance



Charging  
Infrastructure

- ❖ Chemical Engineering
- ❖ Software Engineering and Development
- ❖ Mineral Processing and Materials Science
- ❖ Electronics and Instrumentation
- ❖ Mechanical Engineering
- ❖ Electricians and Millwrights