



German – Canadian Co-operation Days



**of the automotive industry focusing on
e-mobility, batteries/drives & flexible
production**

Sept., 28.-30 2021

Matchmaking

<i>(click on the logo to go to the company profile)</i>	E-mobility	Hydrogen drives	Batteries & Life cycles of batteries	Charging infrastructure	Industry 4.0	Flexible assembly lines	Digital supply chains	Digital shop floor management
	✓		✓					
	✓		✓	✓				
	✓		✓					
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	✓				✓	✓	✓	



Mahmood Shirazy
Cofounder/CEO
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Calogy
solutions

Year established: 2019

Number of employees: 11

[SCHEDULE A MEETING](#)

CALOGY SOLUTIONS

Website:

www.calogysolutions.com

Type of business contacts you are seeking:

- Cluster & associations
- Partner for R&D
- Sales partner
- Others:

Profile:

*Which products or service do you offer? In which field are you active? We offer innovative and **low-cost thermal management solutions for Li-ion batteries in electric vehicles.** Our Thermal Ground Plane (TGP) can keep the batteries in the required temperature range efficiently and with minimum temperature resistance. TGPs are compatible with cylindrical, pouch and prismatic cells. Keeping the battery cells in the recommended temperature range will lead to a 5% decrease in battery pack cost due to less cell degradation overtime, two years increase of battery lifetime (caused by more cell temperature uniformity) and 20% more driving range due to less energy required for battery self-heating in winter.*

What is your target group? Electric vehicle manufacturers, battery pack assemblers

Objectives for the project

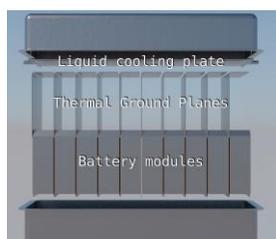
- Establish collaborative relationships
- Obtaining general and specialized industry information
- Exchange of experience with colleagues
- Others:

Topics which are most relevant to you?

- E-mobility
- Flexible assembly lines
- Hydrogen drives
- Digital supply chains
- Batteries & Life cycle
- Digital shop floor management
- Charging infrastructure
- Others:
- Industry 4.0

Description of the USP/ What makes us unique?

Innovative and patent pending technology with particular benefit for volumetric battery packs in commercial electric vehicle.





SAMY BENHAMZA
Co-founder & CEO
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CAPSolar Technologies Inc.

Year established: 2019

Number of employees: 3

SCHEDULE A MEETING

Website:

<https://www.capsolar.ca/>

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others: Clients

Profile:

Which products or service do you offer? In which field are you active? We offer **roof-integrated solar modules** for electric vehicles.
We are active in the E-mobility and renewable energy fields.

What is your target group? Our target group is any type of **vehicle manufacturer** and **vehicle technology developers**.

Objectives for the project

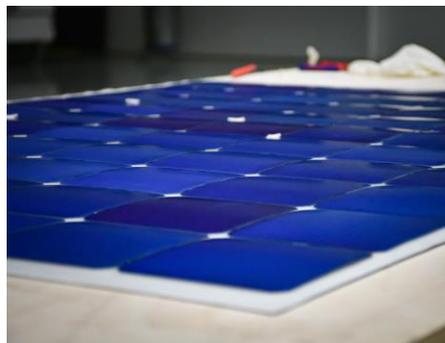
- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others: On-board energy generation

Description of the USP/ What makes us unique?

We are developing novel technologies allowing electric vehicles to generate and store clean energy on-board to allow for an extended range and battery life while enabling 100% clean daily travels.





Kunal Phalpher
Chief Commercial Officer
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(647) 503-0161



Year established: 2016

Number of employees: 129

SCHEDULE A MEETING

Website:

www.Li-Cycle.com

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Profile:

Which products or service do you offer? In which field are you active? **Sustainable lithium-ion battery recycling, and battery grade materials sales.**

What is your target group? Automotive OEMs, battery manufacturers, e-mobility manufacturers

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others:

Description of the USP/ What makes us unique?

Li-Cycle is an industry leader in **lithium-ion battery resource recovery** and the leading lithium-ion battery recycler in North America. With worldwide EV sales projected to rise from 2 million in 2018 to 56 million by 2040, according to a BloombergNEF (BNEF) study, battery production is set to exceed 1.5 TWh by 2028.

However, the world has lacked a viable option for dealing with the rapidly growing volumes of spent lithium-ion batteries in conjunction with a projected gap in the supply of critical materials such as nickel, cobalt, and lithium.

Li-Cycle provides a solution for this gap through an innovative and sustainable resource recovery process that can bring a piece of the battery supply chain – critical material supply – to all regions of the world and address the estimated 2.6 million tonnes of batteries expected to reach end-of-life by 2030.

Li-Cycle Spoke & Hub technologies allow for the unparalleled recovery of up to 95% of all materials found in Li-ion batteries including lithium, cobalt, and nickel; these end-products are high-quality and battery-grade, and promote a circular economy.

The company's technologies allow Li-Cycle to provide **full-service solution for recycling lithium-ion batteries**, including **closed-loop resource recovery, logistics management, secure destruction of materials, and a host of add-on services** ranging from packaging and regulatory support to customized programs for client.



Matthias Schuster
Innovation Manager - Europe
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LINAMAR CORP.

Year established: 1966

Number of employees: 26000

SCHEDULE A MEETING

Website:

www.linamar.com

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Profile:

Which products or service do you offer? In which field are you active? We are interested in manufacturing opportunities in the traditional automotive sector (drivetrain, chassis, components) as well as in EV technology (battery trays, structure, motors, drivetrain).

Except automotive we are looking for innovative opportunities in several other areas (environmental, power generation, water conservation or air purification etc.)

What is your target group? We are looking for startups with innovative (preferred HARD TECH based) products, helping them to scale up their ideas and production.

Also partnerships and projects with established firms could be interesting for us.

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others:

Description of the USP/ What makes us unique?

Linamar Corporation is an advanced manufacturing company of highly engineered products powering vehicles, motion, work and lives.



Diverse Core Capabilities

Metal Forming

- Robotic Welding
- Laser cutting
- Metal Forming
- Stamping
- Painting
- Assembly



Machining & Assembly

- Advanced Automation
& Robotics
- CNC Expertise
- Complex Assemblies
- Hydroforming
- Heat Treatment

Forging

- Hatebur High Speed Hot Horizontal
Forging
- Conventional Vertical Forging
- Cold Forming
- Ring Rolling
- Radial Forging



Light Metal Casting

- Gravity & Low-Pressure Aluminum
Die Casting
- High Pressure Aluminum &
Magnesium Die Casting



Eric Dusablon
VP Business Dev, Design House Services
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Dimonoff

Year established: 2006

Number of employees: 70

SCHEDULE A MEETING

Website:

<https://www.dimonoff.com/>

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Profile:

Which products or service do you offer? In which field are you active?

For more than 15 years, Dimonoff has established itself as a reliable provider of connected solutions as well as a committed partner, facilitating the implementation of IoT for smart infrastructures. With its expertise in controlling and remotely managing connected assets, such as city-wide deployments of streetlight controls, as well as various connected devices and IoT sensors, Dimonoff works closely with public and private sector managers, to guarantee the full implementation of largely scalable smart solutions.

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others:

Description of the USP / WHAT MAKES US UNIQUE?

Mobility Connected Solutions: Based on a complete IoT platform and connected sensors, our Mobility solution allows better knowledge of mobility data, whether it is to find parking spaces faster, remotely monitor and control various parking spaces or access monitoring of restricted areas.



David Adams
President and CEO
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GLOBAL AUTOMAKERS OF CANADA

Year established: 1999

Number of employees: 5

[SCHEDULE A MEETING](#)

Website:

<http://www.globalautomakers.ca/>

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Profile:

Which products or service do you offer? In which field are you active?

The GAC represents before federal, provincial and territorial governments the interests of members engaged in the manufacturing, importation, distribution and servicing of light duty vehicles. While the Association was initially dedicated to the interests of importers, it has broadened its focus as offshore-based companies have set up vehicle manufacturing plants in Canada.

What is your target group? German automotive trade associations

Objectives for the project

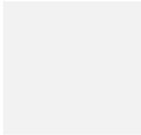
- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others: Life cycle of EVs, Statistical information sharing opportunities

Description of the USP / WHAT MAKES US UNIQUE?

The GAC has representation in the Canadian Motor Vehicle Arbitration Plan, The GAC and its members have had some participation in the Canadian Automotive Partnership Council,

 **Harald Klostermann**
R&D Manager
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Year established: 2000

Number of employees: 200

SCHEDULE A MEETING

Website:

<https://inkasarmored.com/>

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Profile:

Which products or service do you offer? In which field are you active?

The INKAS® Group of Companies provides its customers with an integrated suite of armored vehicle manufacturing, cash management, environmental and point-of-sale products and services. Currently INKAS® offers integrated financial and security solutions that strengthen customer's overall profitability through increased revenue, reduced costs, risk mitigation, valuable security and transport.

What is your target group? Electric vehicle manufacturers, battery pack assemblers

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others:

Description of the USP / WHAT MAKES US UNIQUE?

INKAS® takes great pride in its continuous focus on research and development.

Solution provider



Tarek Ould-Bachir
CEO
ouldbachir@rexys.io
+1 5148247418



Solutions Rexys Inc.

Year established: 2018

Number of employees: 6

SCHEDULE A MEETING

Website:

<https://rexys.io/index.html>

Profile:

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Which products or service do you offer? In which field are you active?

Rexys is a Canadian company that specializes in the design, control, and manufacturing of autonomous systems.

What is your target group? vehicle sensor EOM, car manufacturers

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others: Testing of connected and smart vehicles

Description of the USP / WHAT MAKES US UNIQUE?

Navigation and positioning using collaboration of robots, Better autonomy using optimized and dedicated embedded systems, Vision-based navigation in GPS-denied environments.

Solution provider



Kristy Pealow
Vice-President International Markets
kpealow@transtex-llc.com
+1 5145882923



TRANSTEX

Year established: 2005

Number of employees: 60

SCHEDULE A MEETING

Website:

<https://transtex-llc.com/>

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Profile:

Which products or service do you offer? In which field are you active?

TRANSTEX develops and manufactures leading-edge trailer aerodynamic solutions that offer fleets the ability to significantly reduce fuel consumption. A pioneer manufacturer of aerodynamic products that lead the industry in performance, reliability, and value, TRANSTEX delivers innovative offerings that improve customers' bottom line.

What is your target group? OEMs, Distributors, Regulators, Analysts

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

- E-mobility
- Hydrogen drives
- Batteries & Life cycle
- Charging infrastructure
- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others:

Description of the USP / WHAT MAKES US UNIQUE?

TRANSTEX's lineup of aerodynamic improving solutions is expanding. Together, the new products can provide fuel savings of up to 10% and qualify users for the EPA's SmartWay® Elite program.



Sreenath Rangapuram
Position Founder
E-Mail sreenath@ridecommerce.co
Telephone +1 514-565-9742



Year established: 2020

Number of employees: 4

SCHEDULE A MEETING

RideCommerce

Website:

Type of business contacts you are seeking:

- Cluster & associations
- Sales partner
- Partner for R&D
- Others:

Company Profile:

Which products or service do you offer?

RideCommerce is autonomous and electric vehicle OEM for sustainable Mobility Commerce & supply chain.

What is your target group?

Objectives for the project

- Establish collaborative relationships
- Exchange of experience with colleagues
- Obtaining general and specialized industry information
- Others:

Topics which are most relevant to you?

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- Industry 4.0
- Flexible assembly lines
- Digital supply chains
- Digital shop floor management
- Others:

Description of the USP/ What makes us unique?

Electric and Autonomous Truck OEM with freight mobility solution for Route Optimization, energy efficiency, Integration with Fleet Mgmt.