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Electric Mobility Canada Newsletter

August 2011

August Issue

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Contact Us

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EMC Invites You...

EV 2011 VÉ
Electric Vehicles Conference and Trade Show

September 26 to 29, 2011
Allstream Centre
Toronto, ON Canada

Click [here](#) for sponsorship opportunities.

Be the change!

Join EMC, Canada's most powerful clean transportation industry association.

Click [here](#) for the Membership Application Form and details of membership categories and annual fees.

EMC Sponsor

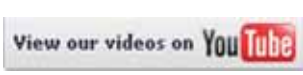


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Be the change! Join EMC on Facebook, Twitter, YouTube or connect with AI on LinkedIn.

Be sure to like our NEW Facebook Page!



President's Corner - The Green Highway Network

Eighteen persons gathered for Electric Mobility Canada's first annual meeting, held in a workshop of Unicell Ltd. in Toronto in November 2006. The eighteen included 9 representatives of EMC members, government and industry individuals wanting to see what this new organization could possibly do to advance electrification of transportation in Canada. The meeting attendance quickly grew to over 100 in 2007, nearly 200 in 2008, over 400 in 2009 and nearly 500 in 2010. I fully expect our 2011 event at the end of September in Toronto to be well attended.



During these short five years, electric mobility has become accepted by most as the main alternative energy solution for Canada's growing transportation system. As we approach EV 2011 VÉ, the auto industry is offering Canadians a variety of electric vehicles and the EV industry supply chain is becoming noticed as a sector that can deliver high tech jobs for Canada. Some governments are offering enticing financial incentives and other programs designed to encourage EVs and the utilities are actively pursuing and implementing programs and services that recognize their role as providers of the fuel of the future - electricity.

The agenda for EV 2011 VÉ will not only report on the many achievements to date but also on what steps are needed to move forward. More importantly, EMC will introduce dialogue on the building of Canada's Green Highway - an EMC vision that lets Canadians travel coast to coast using alternative energy to power their vehicles. 'Building Canada's Green Highway' will give Canadians the assurance that EVs can be driven across Canada by implementing strategically located charging stations. Come and hear Chair of the EMC board, Mike Elwood speak about the 'Building Canada's Green Highway' at [EV 2011 VÉ](#).

[Click to connect with Al Cormier.](#)

New Members

EMC is pleased to welcome the following new members:

Véhicules Volt-Age Inc
9550 10^e Avenue
Saint-Georges, QC G5Y 8S8
Fax: 418.228.7374
Martin Hamel - Director, Business Development
Tel: 418.957.5995
Email: martinh@volt-ageinc.com
Manufacturer - distributor NEMO electric vehicles, 100% electric utility vehicle

PapaBravo Innovations

2120 St. George Avenue
Saskatoon, SK S7M 0K7
Fax: 306.665.0936
Website: www.papabravoinnovations.com
Patric Byrns - President
Tel: 306.665.8979 x223
Email: pat.b@papabravoinnovations.com
Design and manufacture of electric vehicles for mining applications, electric vehicle conversions, EV Research and Development

Volkswagen Group Canada Inc.

777 Bayly Street
Ajax, ON L1S 7G7
Fax: 905.428.5898
Website: www.vw.ca
Donald Mertens - Manager, Corporate Affairs
Tel: 905.428.4849
Email: don.mertens@vw.ca
Vehicles and parts

GE Energy, Industrial Solutions & GE Capital Fleet Solutions

2300 Meadowvale Blvd.
Mississauga, ON L5N 5P9
Website: www.geindustrial.com and www.gefleet.com
Ken Blackburn - Strategic Planning Manager, GE Capital Fleet Solutions
Tel: 905.288.3792
Email: ken.blackburn@ge.com
Heather Vanslyke - Marketing Manager, Electrical Distribution - GE Energy, Industrial Solutions
Tel: 905.858.5343
Email: heather.vanslyke@ge.com
GE Electric Vehicle Chargers - GE Fleet Vehicle Solutions

PowerTech

12388 - 88th Avenue
Surrey, BC V3W 7R7
Fax: 604.590.6659
Website: www.powertechlabs.com
Livio Gambone - Manager, Clean Transportation Engineering
Tel: 604.590.7488
Email: livio.gambone@cleantechlabs.com
EV and EVSE Component testing services, EVSE installation and network services, Grid Impact analysis, Demand Response Programs

Click [here](#) for a complete directory of electric vehicle resources in Canada.

EV 2011 VÉ Sponsors

EMC is pleased to acknowledge our sponsors for EV 2011 VÉ. Your support is indispensable to the success of the event.

Platinum



Gold



Silver



Bronze



Friends of EMC



News from EMC (as of August 23, 2011)

If you have not yet registered for **EV 2011 VÉ**, there is still time. Details are now being finalized for a wide variety of technical sessions. Our biggest ever trade show and plenary sessions are bringing key political and industry people to address the issues of today. Representatives of OEMs will outline the EVs they will offer Canadians in the next few years. Academics are meeting to compare their EV programs and to discuss their R&D capacity with representatives of the auto industry. The second annual Government-Industry Summit will discuss where we are with respect to the necessary action items to move Canada towards EVs. Register today to network with colleagues from across Canada.

MISSISSAUGA, ON, August 22, 2011 /CNW/ - Nissan Canada Inc. (NCI) today announced 27 selected Nissan retailers have passed the rigorous certification process to sell, support and service the all-electric Nissan LEAF in Canada. Nissan LEAF certified retailers have modified sales and service departments and undergone specialized training to provide the unique customer and vehicle service required, in time for the Nissan LEAF launch in the Canadian market. Deliveries have begun for some Canadian fleet customers and in late August, Nissan will open up online reservations for the Nissan LEAF to those already registered at www.nissan.ca/leaf and who live within the vicinity of a certified dealer. See web site address above for more information.

EMC's **Working Group for PEV Readiness** is off to a great start. Financially supported by an initial group of 15 utilities and municipalities, it has identified a challenging list of issues we must address. The Working Group has already tackled some of these issues with concise reports and videos aimed at easing the process for local decision-making. EMC continues to look for new group members and funding to complete the tasks identified. The group is co-chaired by Gerry Pietschmann of the City of Toronto and Dan Guatto of Burlington Hydro. Matt Stevens of CrossChasm is their principal investigator.

EMC's **Electric Bus Committee** has assembled a wide group of Canadians with an interest in an orderly and effective introduction of electric buses. The group has identified the key issues and developed a list of action items to address these issues. As the summer holiday season ends, it is expected the group will continue its work by appointing a Chair and identifying the resources necessary to implement its action plan. EMC has been invited to present its views at the November meeting of the Canadian Urban Transit Association.

EMC's **Government Relations Committee**, chaired by Ian Forsyth of Nissan Canada has had a full schedule of activities in recent months that included the promotion of EV programs to the Government of British Columbia, recommendations to the Government of Canada on how to allocate some of its June 6 budget and a submission to Canada's Finance Committee for its next federal budget. It is now drafting proposals to the Government of Ontario on how to allocate the \$80 million recently announced for EV infrastructure and is gearing up for a promotional campaign to the Government of Nova Scotia.

Last but not least, the **search for a new CEO** is underway with plans to announce the successful candidate at **EV 2011 VÉ**. The Search Committee is chaired by Jim Perkins of Metro Vancouver.

For further information on news from EMC, please contact [Al Cormier](#).

News from Members

(Members are reminded to send us their media releases and other company announcements for use in this newsletter)

EMC congratulates Nathan Armstrong, founder and president of Motive Industries in Calgary who has been named entrepreneur of the month by Alberta's Council of Technologies, a group of entrepreneurs and researchers promoting the development of certain technologies in Alberta. Contact info@ABCtech.ca for details.

Azure Dynamics to Begin Integrating Plug-In Hybrid Technology in Ford F-Series Super-Duty Trucks

In collaboration with Ford, Azure's Plug-In hybrid technology will be initially integrated on Ford's market leading F-Series Super Duty cab and chassis, the F-550, which is expected to be available in early 2013. For more information, visit: www.azuredynamics.com/

Azure Dynamics Wins DOE Award to Develop Next Generation Traction Inverter

Azure Dynamics Corporation announced it has received an award from the Department of Energy (DOE) to develop a traction inverter to be used in future Azure products including the recently announced Ford F-Series Super Duty cab and chassis PHEV program. As part of the DOE award, Azure will receive \$5.4 million over four years to support the program development. Azure expects the new traction inverter will be commercially available in early 2016. For more information, visit: www.azuredynamics.com/

Niagara Manufacturers Turned on by Electric Car Possibilities

St. Catharines Standard, July 2011

Principals of Project Eve - a consortium of manufacturing and technology companies that has designed a line-up of electric vehicles - toured a handful of Niagara firms scouting potential suppliers of components for the new breed of car. The consortium's ultimate goal is not to mass produce electric vehicles to the commercial market, but to develop a chain of suppliers and ultimately licence the technology to large-scale auto manufacturers. For further information, click [here](#).

Nissan Delivers First Leaf(s) In Canada

Nissan Canada, Inc. (NCI) recently delivered LEAF all-electric vehicles to PowerStream, a municipally- owned Ontario electricity distribution company. The vehicles were the first Canadian delivery of the LEAF. The Nissan LEAF is a testament to the new frontier beginning to unfold in automotive transportation. For further information, click [here](#).

TM4 Awarded an STDC Grant to Develop a New Drivetrain

With a recently announced grant from Canada's Technology Development Corporation, TM4 Inc. will develop a mid-sized, 200 kW drivetrain and NEURΦ™ control system that builds on its current technology. This new drivetrain will have almost twice the energy density of current incumbent induction-based motors, while having the potential to be cost competitive with any leading induction or permanent magnet motor alternatives. The project will specifically demonstrate TM4's technology in an all-electric bus being developed by a consortium of companies led by Nova Bus (Volvo). The project also aims to develop a prototype pilot production line for the automated assembly of such systems. For further information, visit: www.tm4.com

Other EV Accelerators

LaCima Corporation of British Columbia was recently awarded a grant from Sustainable Technology Development Corporation (STDC) to design a new type of Energy Storage System (ESS) which consists of a lithium-ion (Li-ion) battery with an integrated ultracapacitor. The SDTC project will focus on increasing the capacitance of LaCima's prismatic cell ultracapacitor and increasing its voltage to better match the cell voltage of the Li-ion battery. The consortium plans to field trial their ultracapacitor ESS technology in a hybrid electric Fiat 500. For more information, click [here](#).

Toyota to Build Electric SUV in Canada *Reuters August 5, 2011*

Toyota Motor Co will build its first electric vehicle produced outside Japan in Ontario as part of a multimillion-dollar public-private project announced in July. The automaker will build the vehicle - an electric version of the RAV4 SUV - at its plant in Woodstock, Ontario, the Canadian government said in a release on Friday. Toyota plans to invest as much as C\$545 million (\$558 million) in the overall project. Known as Operation Green Light, the plan includes upgrades at other Toyota plants in Ontario. The Canadian government will chip in C\$70.84 million toward C\$506 million-worth of Operation Green Light, with Ontario providing a matching C\$70.84 million towards the project's C\$545 million total. The RAV4 venture is a joint project with Tesla Motors Inc. The compact crossover electric vehicles (EV) will be built on the same line as the gasoline-powered RAV4 at the Woodstock plant, about 135 km (84 miles) southwest of Toronto. For more information, click [here](#).

Something to Add? Send Us Your Ideas Today!