



Our **Mission** is to establish electric mobility, in all its forms, as the primary solution to Canada's growing transportation energy issues and to assist its members in the fulfillment of their mandate.

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New Members

EMC is pleased to welcome the following new members:

Auto 21 Network of Centres of Excellence

401 Sunset Avenue
Windsor, ON N9B 2P4
Fax/Télécopieur: 519 971 3626
Web site/Site web www.auto21.ca
Dr. Peter Frise,
Scientific Director and CEO
Tel: 519 253 3000 x 4127
Email/Courriel: peter.frise@auto21.ca

MDH Technologies Ltd

2614 Queenswood Drive
Victoria, BC V8N 1X5
Fax/Télécopieur: 250 721 7147
Robert N. (Bob) O'Brien
President and CEO
Tel: 250 721 7174
Email/Courriel: robrien@uvic.ca
Applications of Magneto-hydrodynamics to any electromechanical system, presently mainly to batteries of all types.

EMC recognizes that it is difficult for start-up companies to join national groups such as EMC and our Board of Directors has approved a special introductory industry member rate of \$300.00 per year (normally \$700.00) applicable for the first two years after incorporation as a business.

See <http://www.emc-mec.ca/content/our-members> for a complete membership directory.

News from EMC

Electric Vehicle Technology Roadmap

(evTRM). Activities under the roadmap continue. In recent weeks, EMC presented the roadmap findings to the following groups:

- The senior executives of Nissan Canada

- A visiting delegation of Dutch automotive officials
- A Committee of Deputy Ministers of the Ontario Government responsible for the environment, transportation and economic growth.
- The Federal Government Fleet Managers from across Canada
- More presentations are scheduled for the coming weeks.

EMC has been asked by the Federal Government to take the lead in the implementation activities and negotiations are now underway with federal officials on the activities and resources to accomplish this with a view to starting the necessary activities in November. EMC has already identified its representatives to serve on the Implementation Committee.

The Washington based Electric Drive Transportation Association (EDTA) has launched a project called **National Plug-In Vehicle Initiative** (NPVI) aimed at developing

- **MyGreenDrive.org**, an online clearinghouse of general information about plug-in electric drive technology, with links to NPVI participants for specific information on vehicles, infrastructure and services
- A **Media Campaign** providing a regular and reliable source of industry information to key media outlets – and to respond quickly to misinformation.
- **'Tool-Kits'** providing valuable information on 'Best Practices' for legislators, regulators, utilities and others.
- **Content creation** for opportunities such as billing inserts, newsletters and other communications channels.
- **Programs and demonstrations** of plug-in electric drive technology and issues for major conferences and events.

Given that much of this information would also be applicable to the Canadian context, EMC has signed a Memorandum of Understanding with EDTA giving both parties until the end of November to negotiate terms

For more information, please contact:

Electric Mobility Canada, Suite 309, 9-6975 Meadowvale Town Centre Circle, Mississauga, Ontario Canada L5N 2V7
Tel: 416 970 9242 Fax: 905 858 9291 Email: al.cormier@emc-mec.ca



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under which Canadian entities could participate in this initiative and access the information of value to Canadians as well as allowing Canadians to provide information and input into the project. Negotiations are now underway.

2010 Conference – September 13 to 16 in Vancouver

Mark your calendars. Our 2010 conference and trade show will take place at the Vancouver Sheraton Wall Centre from September 13 to 16. Organization, Program and Trade Show Committees are now being formed.

News from Members

Renault-Nissan Alliance Signs Zero-Emission Partnership in Vancouver. On October 6th, the Renault-Nissan Alliance, the Province of British Columbia, the City of Vancouver and BC Hydro announced a partnership that will see British Columbia become the initial launch point for Nissan's Canadian zero-emission transportation program. British Columbia is scheduled to be the first Canadian province to receive the Nissan LEAF, Nissan's first all-electric real-world car, in 2011, in advance of global distribution in 2012. The memorandum of understanding brings together representatives from each organization to identify opportunities to

promote the use of zero-emission vehicles in Vancouver and other areas in B.C. Discussions will also explore the establishment of charging infrastructure in Vancouver. The agreement also supports an application to the federal government's Clean Energy Fund for a charging infrastructure pilot program planned by the Province, BC Hydro and the City of Vancouver.

The agreement adds B.C. to a growing network of zero-emission vehicle initiatives across the world. The Renault-Nissan Alliance has formed partnerships with 30 governments, cities and other organizations to advance the deployment of electric vehicles worldwide. Images of LEAF can be found at www.media.nissan.ca.

Vancouver City Council approves By-Law requiring EV Charging

The by-law with final wording to require charging outlets in condos for EVs was approved by Vancouver's City Council on October 20. The policy report that led to this was approved this past summer on July 9.

The by-law text is available on the city website: <http://vancouver.ca/ctyclerk/cclerk/20091020/document/s/bylaws.pdf> . See page 3.

An 18 month notice period now initiates giving developers time to integrate the infrastructure in their designs. The first plugs will begin to appear after April 2011.

Last year's approval of a similar Vancouver by-law for single family residences to be EV ready is now in effect and several thousand new homes are now ready for emerging EVs. Vancouver builds an average 5000 houses each year and 15000 condo units. At 20% coverage for condos this should give us about 8000 EV charge locations in residences per year, every year. Bike rooms are also now required to have plugs for EVs. **Bravo for Vancouver!**

Future Vehicle Technologies says 2009 continues to be a brilliant year for them. Not only have they achieved 3rd party verification of their unprecedented mileage, they also have their own drive train and are testing the second revision of their own BMS (battery management system) and controller software. It is becoming very apparent that FVT has a gift for developing automotive technologies. They report that the new electric motors are producing far more power and responsiveness than originally anticipated. Development of this drive train puts Future Vehicle Technologies in a group of less than 6 companies worldwide. The Progressive Automotive X Prize Foundation invited Future Vehicle Technologies along with 11 other competitors to display their vehicles at the Specialty Equipment Marketing Association (SEMA) show in Las Vegas in November. This is one of the largest shows in the US with over 350,000 people attending each year. The last time FVT attended SEMA in 2006 the eVaro was voted "Car of the Show".

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