

## □ Energy Storage

- Growth in renewable energy technology penetration (e.g. wind, solar) and excess electrical capacity from baseload generation as a result of the economic crisis (e.g. nuclear power in Ontario) creating opportunities for energy storage solutions.
- Storage will make it easier to manage the power grid by absorbing excess generation supply.
- Hydrogenics Corporation (electrolyser manufacturer) has entered into an agreement with Enbridge Inc. (natural gas utility) to jointly develop utility scale energy storage solutions.
- Converts surplus renewable generation to hydrogen using electrolyzers; banks the energy using the existing natural gas infrastructure; and, enables the discharge of the stored gas at any time and place.
- Initial focus will be in Ontario with a MW sized project anticipated for 2013.

[www.hydrogenics.com/invest/News\\_Details.asp?RELEASEID=666521](http://www.hydrogenics.com/invest/News_Details.asp?RELEASEID=666521)

## □ Manufacturing

- Transition from R&D&D to the commercialization of certain applications. Firms are now investing in early volume manufacturing facilities.
- In March 2011 Mercedes-Benz Canada (MBC) announced an initial €50M commitment to establish a commercial scale fuel cell stack manufacturing facility in Burnaby, British Columbia, Canada.
- This highly automated, 2000 square metre manufacturing facility, will have the capacity of manufacturing 20,000 stacks per annum.
- Completion of the production facility is scheduled for summer 2012.

*[www.daimler.com/dccom/0-5-658451-1-1375858-1-0-0-0-0-0-12080-0-0-0-0-0-0-0.html](http://www.daimler.com/dccom/0-5-658451-1-1375858-1-0-0-0-0-0-12080-0-0-0-0-0-0-0.html)*

## □ Procurement / Deployments

- The Government of Canada is establishing a supportive framework to increase the adoption of emerging technologies in Canada. As part of the Government's commitment to promote economic growth, it launched the Canadian Innovation Commercialization Program (CICP).
- The CICP aims to help Canadian businesses by testing their innovative goods and services within the Government of Canada before taking them to the marketplace.
- \$95 million over 3 years, starting in 2013-14, and \$40 million/year thereafter.
- Hydrogen and fuel cells are eligible for support under the program.

*<https://buyandsell.gc.ca/initiatives-and-programs/canadian-innovation-commercialization-program>*