

news release

## **QuestAir Technologies installs HyQuestor® hydrogen purifier at Toronto hydrogen power demonstration**

**For Immediate Release**

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BURNABY, B.C. – QuestAir Technologies announced today that its HyQuestor® hydrogen purification system is being demonstrated as part of a hydrogen fuel cell power generator and refueler developed by Hydrogenics Corporation. The 50 kW HySTAT™ power generator and integrated hydrogen refueler, the first of its kind in Canada, was unveiled at Exhibition Place in Toronto during the ‘Green Day’ activities at the Canadian National Exhibition (CNE).

QuestAir’s HyQuestor® system purifies hydrogen generated or ‘reformed’ from natural gas. In addition to providing high purity hydrogen for the HySTAT power generator, the same hydrogen supply is being used to refuel a fuel cell powered ‘Pro Gator’ demonstrator vehicle developed by John Deere using Hydrogenics’ fuel cell power module technology.

The demonstration at this year’s CNE is the first phase of a 3-year initiative undertaken by Hydrogenics, the City of Toronto and Exhibition Place. Electrical power generated by the HySTAT fuel cell generator will demonstrate an energy management practice known as “peak shaving”, with the capability to supply power to the National Trade Center during periods of high electricity consumption when power is more expensive. In addition, the John Deere demonstrator vehicle will demonstrate the use of fuel cell technology to enhance the productivity and reduce the emissions of work vehicles. Funding support for the HySTAT power generator and refueler was provided by the Canadian Transportation Fuel Cell Alliance and Natural Resources Canada.

Jonathan Wilkinson, President and CEO of QuestAir, said that the Toronto project is the second integrated hydrogen power generator and refueler to use QuestAir’s advanced hydrogen purification technology, following the City of Las Vegas hydrogen energy station that opened in November 2002 in Las Vegas, Nevada.

“We are extremely pleased to be working with Hydrogenics on this high profile demonstration. This project confirms QuestAir’s position as the leading supplier of compact, cost effective hydrogen purification solutions for distributed hydrogen refueling stations. The integrated hydrogen energy station featuring the co-production of both hydrogen and electricity also demonstrates the value of QuestAir’s advanced pressure swing adsorption technology for enhancing the performance of stationary fuel cells”, Wilkinson said.

“Hydrogen purity is very important for reliable operation of our fuel cells,” said Pierre Rivard, President and CEO of Hydrogenics. “It gives us great satisfaction to be able to include QuestAir’s leading expertise in this area as part of our demonstration in Toronto.”

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#### About QuestAir Technologies Inc.

QuestAir Technologies, Inc. has developed proprietary gas purification technology that is being applied to several large existing and emerging world markets, including industrial hydrogen production and stationary and automotive fuel cells. QuestAir's proprietary fast-cycle pressure swing adsorption ("PSA") technology allows the developers of fuel cell systems to increase the efficiency of their products, and offers a compact, cost effective gas purification solution to QuestAir's industrial customers and developers of hydrogen fueling infrastructure. QuestAir is a private company based in Burnaby, British Columbia whose shareholders and strategic partners include Shell Hydrogen, Ballard Power Systems and The BOC Group.

#### About Hydrogenics

Hydrogenics Corporation ([www.hydrogenics.com](http://www.hydrogenics.com)) is a leading clean power generation company, engaged in the commercialization of fuel cell technology and test stations for fuel cells. The company is building a sustainable business, in a potentially "game changing technology" for transportation, stationary and portable power. Hydrogenics, based in Mississauga, Ontario, Canada, has operations in British Columbia, Canada, Japan, the United States and Germany.

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