

Canada Develops World's Biggest Hydrogen Project

by Patrick Stelmach, PATH intern

Hydrogen Engine Center, Inc. (HEC) announced today that it will be involved in an \$11 million hydrogen energy technology demonstration project at Montreal's Pierre Elliot Trudeau International Airport.

HEC develops systems and processes used in the design, manufacture and distribution of alternative fuel internal combustion engines, engine controls and power generator systems. These technologies are for use by customers and partners in the industrial and power generation markets. These solutions and the engines using them are designed to run on hydrogen, ethanol, methanol, ammonia and traditional fuels.

The airport project is focused on testing and demonstrating hydrogen technologies and fueling infrastructures. Numerous hydrogen usages will be tested within the project, including but not limited to, passenger transportation, cargo handling, various power sources as well as hydrogen "filling" technologies. A main goal of the project is to demonstrate how hydrogen can be integrated into existing environments safely and effectively.

HEC Canada will be responsible for providing and installing up to ten (10) hydrogen-fueled 4.9L internal combustion engines for installation in existing airport luggage tractors. This is a multi-million dollar agreement for which HEC will provide goods and services valued at \$1,151,898 CAD. Participation in the project involves an in-kind contribution from HEC in the amount of \$575,949 CAD. This Hydrogen Demonstration Project will allow the entire world traveling through this airport to witness the carbon-free power solutions HEC designs and manufactures. The Government of Canada and the Government of Quebec are major partners in the project along with Air Liquide who is participating in the project and acting as the Projects Manager. HEC plans to work directly with Air Liquide on all aspects of the hydrogen-fueled internal combustion engines.

By working with such companies as Air Liquide, HEC believes they are able to position themselves as a prime mover and demonstrate that they are ready, willing and able to immediately deliver hydrogen-fueled engines and power solutions on a global scale.

Sources:

“Hydrogen Engine Centre Canada Announces Involvement in World's Biggest Hydrogen Project: HEC to provide hydrogen-fueled engines for luggage tractors” Business Wire. 29 April 2009. <http://www.reuters.com/article/pressRelease/idUS234507+29-Apr-2009+BW20090429>