

FOR IMMEDIATE RELEASE:

Media contacts:

UK: Dr Ben Todd / 07974 240 612 / ben@arcolaenergy.com

Singapore: Taras Wankewycz +65 9710 8445 / taras@horizonfuelcell.com



AUTOPAK Horizon Fuel Cell System launched at Millbrook Proving Ground

London & Singapore — June 17, 2013 - The first [AUTOPAK fuel cell](#) vehicle was launched at Millbrook Proving Ground on 11 June 2013. The launch follows road-testing of the vehicle in a broad range of road, traffic and weather conditions, accumulating over 150 miles to date.

The new power module is enabled by next generation hydrogen fuel cells from Horizon, and designed into a system for automotive use by London-based [Arcola Energy](#). The first unit is installed in UK's [Microcab](#) lightweight fuel cell vehicle developed in partnership with [Coventry University](#).

The Microcab vehicle will be the first in the European Union Fuel Cell and Hydrogen Joint-Undertaking funded [SWARM project](#) (Small 4-Wheel fuel cell passenger vehicle Applications in Regional and Municipal transport) which will see a total rollout of 90 trial vehicles over the next 3 years, to gather data on vehicle usage patterns as well as their hydrogen refilling stations.

The Horizon AUTOPAK enabled vehicle was launched at the 'Company Car in Action' event held at [Millbrook Proving Ground on 11-12 June 2013](#) where the public, press and fleet vehicle buyers had the opportunity to ride in the vehicle around Millbrook's City Circuit. Millbrook is one of Europe's leading vehicle test and development centres with a history of proving innovative British automotive technology.

Microcab's powertrain is a hybrid battery and fuel-cell system, with a highly optimized and low cost 3kW Horizon fuel cell solution that gives a range of up to 180 miles (290 km), extendable a further 20 miles (30km) with a plug-in recharge.

Control and power electronics have been optimised to maximise fuel cell reliability and lifetime in automotive operating conditions. A 5kW version of AutoPAK with further improved power density and hydrogen efficiency will be integrated later in 2013.



Arcola Energy and Horizon are proud of this collaborative accomplishment, resulting from their partnership to provide deployment, customization and integration support to a wide range of UK and international companies looking to apply Horizon fuel cells to their business. As a result of this localized initiative, an increasing number of Horizon-enabled, and Arcola-integrated fuel cell products are expected to launch from the UK into Horizon's global distribution network, now spanning 100 countries.

Dr Ben Todd, Managing Director of Arcola Energy Ltd said "From a UK perspective it is a crucial component of Arcola Energy's strategy to capture value for the UK in the global fuel cell supply chain - we are achieving this now with a first automotive example"

Taras Wankewycz, Chief Marketing Officer at Horizon Fuel Cell said "The UK is rapidly becoming a technical centre of excellence in the advanced integration of Horizon Fuel Cell products. We feel proud to contribute positively to the development of an innovative and entrepreneurial industrial network in the UK."

The Technology Strategy Board, the UK's innovation agency, supports Arcola Energy's mass customisation manufacturing approach. Richard Kemp-Harper, Lead Technologist Transport and Energy at the Technology Strategy Board said "The Technology Strategy Board is delighted to see its investment resulting in new international collaborations and export markets for UK products."

Notes to Editors:

Arcola Energy is a multi-disciplinary developer, manufacturer and retailer of fuel cell-based low carbon energy solutions. We operate across a wide range of markets with applications in home, industry, construction, entertainment, education and aerospace sectors. Our business is applying understanding of end-user needs to deliver cost-effective customised solutions to individual end-users and OEM clients. Our success is built on open and collaborative relationships with clients, suppliers and partners. Arcola Energy is the UK agent and distributor for Horizon Fuel Cell Technologies. Development of Arcola's mass customisation manufacturing approach is supported by the UK Technology Strategy Board.

www.arcolaenergy.com

Horizon Fuel Cell Technologies Pte Ltd was founded in Singapore in 2003 and currently operates 5 international subsidiaries, enabling several markets with fuel cell products and hydrogen solutions. Horizon emerged as one of the world's largest volume producer of commercial fuel cell products, serving retail, industrial and OEM customers in over 65 countries.

www.horizonfuelcell.com

The Technology Strategy Board is the UK's innovation agency. Its goal is to accelerate economic growth by stimulating and supporting business-led innovation. Sponsored by the Department for Business, Innovation and Skills (BIS), the Technology Strategy Board brings together business, research and the public sector, supporting and accelerating the development of innovative products and services to meet market needs, tackle major societal challenges and help build the future economy.

<http://www.innovateuk.org>

Millbrook Vehicle Test & Development Facility is a custom-built facility providing virtually every test, validation and Homologation service necessary for today's demanding programmes, complemented by a worldwide reputation for confidentiality, service and competitiveness. An on-going investment programme continues to enhance the ability to deliver test procedures significantly in advance of planned legislation, to reduce programme costs and timescales (particularly for world-car programmes) and to provide test and development solutions for new technologies such as roll-over protection, Hybrid powertrains and fuel cell systems.

<http://www.millbrook.co.uk/>

Microcab develops and supplies innovative zero-carbon vehicles for light urban transport. Current development work is enabled by long-term support and partnership with Coventry University.

<http://www.microcab.co.uk/>

Coventry University, already prominent in automotive design, is developing new activities in the area of low carbon technology within the automotive industry in partnership with Microcab.

<http://www.coventry.ac.uk/>