



H2 Logic to deliver fuel cell systems for TH!NK cars

12. December 2006, Herning, Denmark

H2 Logic wins "competitive bid" for delivery of fuel cell systems for up to seven "TH!NK hydrogen" city cars that are to operate on a demonstration basis in Scandinavia. The delivery constitutes a collaboration agreement between H2 Logic & Think Technology on developing and commercialising high efficient and zero emission hydrogen powered fuel cell electric city cars. Fuel cell stacks will be supplied from Ballard Power Systems.

Increasing fuel prices and clear effects of global warming have put enormous political focus on sustainable alternatives for existing fossil fuels in transportation. The challenge is to find a renewable energy carrier that holds enough energy to deliver a satisfying operation range in cars. Batteries in combination with hydrogen powered fuel cells give an operation range, similar to the ones of gasoline powered vehicles, yet maintaining the efficiency and zero emissions of an electric vehicle. Hydrogen can be produced based on renewable energy and the only emission when converting it to energy in fuel cells is pure water and at an efficiency twice of normal gasoline combustion engines.

As environmental effects from transport are highest in concentrated cities, H2 Logic and Think Technology will work together to develop very efficient and zero emission hydrogen powered electric cars indented for use in larger cities. The vehicle is called TH!NK hydrogen and is based on the plug-in electric vehicle TH!NK city, which was developed while Think Technology was owned by the Ford Motor Company and which will be launched commercially in 2007.

The TH!NK city car is homologated in EU and US and is as safe as any other car on the road and has a high safety standard. The TH!NK city is environmental in both design and operation – consisting of mainly aluminium and plastic, making it possible to recycle 95% of the materials in the car.

With a battery that can be charged either directly from the grid *or* with a hydrogen powered fuel cell, the TH!NK hydrogen will be one of the most sustainable vehicles ever. Based on a H2 Logic fuel cell system, the TH!NK hydrogen car will have a combined operating range of close to 300 km at an efficiency well above 65% and with no emission of health affecting particles.

The TH!NK hydrogen project was started in 2004 with a €1,35 million grant from the Research Council of Norway. The recently ended phase 1 of the project developed one prototype vehicle. Phase 2 involves the demonstration of up to seven TH!NK hydrogen cars in the Scandinavian Hydrogen Highway Partnership that works towards establishing an early infrastructure of hydrogen filling stations by 2012.

The delivery of the fuel cell systems for phase 2 was put out in a competitive bid process where H2 Logic won the delivery. The world leading manufacturer Ballard Power Systems will supply its Mark9 SSL™ fuel cell stacks for H2 Logic. H2 Logic collaborates with Dantherm Air Handling on the system development.

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PRESS RELEASE

**H2 Logic develops
value-adding
hydrogen fuel cell
power solutions for
motive applications**



Business Development Manager of H2 Logic, Mikael Sloth, comments on the order:

"H2 Logic is very proud to have won the delivery of fuel cell systems for the TH!NK hydrogen cars and entered into an agreement with Think Technology on further development of hydrogen powered city cars. For the Scandinavian Hydrogen Highway Partnership the order shows the very purpose of the partnership namely to bring Scandinavian businesses together to collaborate on developing hydrogen technology for transport. Many other important hydrogen demonstration projects world wide will also benefit from the TH!NK hydrogen car, because they will now have access to actually buying hydrogen powered vehicles. H2 Logic & Think Technology plan to make the vehicles available for world wide demonstration to increase volume of manufacturing and thereby paving the way for a commercialisation"

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Pictures of the TH!NK hydrogen city car



Pictures can be downloaded in high resolution at www.h2logic.com

About H2 Logic

H2 Logic is a world leading developer of hydrogen fuel cell power solutions replacing batteries & combustions engines in City, Service, Leisure and Materials Handling vehicles giving a superior & value-adding supply of motive power.

www.h2logic.com

About Think Technology

Think Technology, formerly owned by Ford Motor Company, is a developer and manufacturer of environmental friendly electric vehicles.

www.think.no

About Ballard Power Systems

Ballard Power Systems (TSX: BLD, NASDAQ: BLDP) is recognized as a world leader in the development, manufacture and sale of zero-emission proton exchange membrane fuel cells. Ballard's mission is to make fuel cells a commercial reality.

www.ballard.com

Links:

Scandinavian Hydrogen Highway Partnership: www.scandinavianhydrogen.org

Norwegian Hydrogen Highway: www.hynor.no

Swedish Hydrogen Highway: www.hyfuture.eu

Danish Hydrogen Highway: www.hydrogenlink.net

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