

Press release

21. March 2014

**HANNOVER MESSE 2014 (7-11 April)**

**German premiere of Honda's FCEV Concept at the CEP booth**

- **German premiere of Honda FCEV Concept**
- **The concept vehicle is on display at the Clean Energy Partnership (CEP) demonstration project booth in hall 27, booth B73**
- **Visitors can also experience the pleasure of driving a fuel cell car for themselves at the Ride + Drive Area in fuel cell vehicles from Daimler, Honda, Hyundai, Opel, Toyota and Volkswagen.**

Berlin, 21. March 2014. The Honda FCEV Concept has drawing crowds over the past last few months at major motor shows across the world, in Los Angeles, Detroit and Geneva. As part of the Clean Energy Partnership booth at the Hannover Messe (Group Exhibit Hydrogen + Fuel Cells + Batteries, hall 27, booth B73), the futuristic concept study can now be viewed for the first time in Germany. The FCEV Concept provides a hint of what to expect from Honda's next generation fuel cell electric vehicle, which will be introduced in the U.S. and Japan from 2015, then launched on the European market from early 2016. The new Honda fuel cell electric vehicle will follow on from the Honda FCX Clarity launched in 2008, which is currently being tested by the Clean Energy Partnership. The FCEV Concept displayed is a five seater vehicle where the new fuel cell stack is completely housed in the engine compartment. Many advancements have been made relating to the fuel cell stack, which is one-third smaller than that of the FCX Clarity and yet has a 60 percent higher power density with a driving range of approximately 700 km in the Japanese JC-08 test cycle.

Fuel cell vehicles are electric vehicles that generate their own electricity on board. In the fuel cell, tanked gaseous hydrogen reacts with oxygen from the ambient air in a controlled process that takes place without any harmful emissions: beyond the electrical energy, only water vapour is emitted. It is already possible for fuel cell electric vehicles to achieve ranges of 300-700 km on one full tank (depending on the vehicle type and tank size).

AIR LIQUIDE	BMW Group	BVG	DAIMLER	EnBW	Ford	GM/OPEL	HOCHBAHN	HONDA
Hyundai	Linde	Shell Hydrogen	Siemens	SSB	TOTAL	TOYOTA	Vattenfall Europe	VOLKSWAGEN AG

*Driving a zero emission fuel cell electric vehicle does not have to result in any compromise in terms of driving pleasure, something visitors to the fair in Hannover can find out for themselves: In the Ride + Drive area in front of hall 27, they can get behind the wheel of a fuel cell car and take them for a ride in the 15,000 m<sup>2</sup> outdoor grounds. In addition to the Honda FCX Clarity, the Audi Q5 HFC, the Mercedes-Benz B-Class F-CELL, the Opel HydroGen4, the Hyundai ix35 Fuel Cell and the Toyota FCHV-adv can also be test-driven. Refuelling is carried out on the exhibition grounds at the 'trailH2gas' mobile filling station provided by the CEP partner Linde. There will be public demonstrations of a vehicle being refuelled with hydrogen gas three times a day (at 11 am, 3 pm, 5 pm). It takes only minutes to fill the tank – much like conventional refuelling.*

*The Clean Energy Partnership is Europe's largest demonstration project for hydrogen mobility. In addition to around 100 fuel cell cars that are currently on the road as part of the project, the CEP is testing the operation of hydrogen-powered buses for public transport. The aim is to test the suitability of hydrogen as an alternative fuel for everyday use and help prepare the market for the introduction of fuel cell vehicles. This includes the sustainable production of hydrogen and the development of a hydrogen infrastructure. By the end of 2015 there will be 50 hydrogen filling stations in Germany, making it the world's first country that has a basic supply network. Hydrogen-powered electric mobility is an opportunity for Germany to expand its leading international position in the field of pioneering fuel and drivetrain concepts.*

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*The Clean Energy Partnership – an alliance of eighteen leading companies – has set itself the goal of establishing hydrogen as the 'fuel of the future'. With Air Liquide, Berliner Verkehrsbetriebe BVG, BMW, Daimler, EnBW, Ford, GM/Opel, Hamburger Hochbahn, Honda, Hyundai, Linde, Shell, Siemens, Stuttgarter Straßenbahnen SSB, TOTAL, Toyota, Vattenfall Europe and Volkswagen as its partners, the ground-breaking future project includes technology, oil and utility companies as well as most German car manufacturers and two leading public transport companies. Germany's National Innovation Programme for Hydrogen and Fuel Cell Technology (NIP) has sponsored the CEP since 2008. [www.cleanenergypartnership.de](http://www.cleanenergypartnership.de)*

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