Hydrogen Europe:
European Hydrogen & Fuel cell Project Database

Project H2ME 2

Hydrogen Mobility Europe 2

Hydrogen Mobility Europe 2 (H2ME 2) brings together action in 8 European countries to address the innovations required to make the hydrogen mobility sector truly ready for market. The project will perform a large-scale market test of hydrogen refuelling infrastructure, passenger and commercial fuel cell electric vehicles operated in real-world customer applications and demonstrate the system benefits generated by using electrolytic hydrogen solutions in grid operations. H2ME 2 will increase the participation of European manufacturers into the hydrogen sector, and demonstrate new vehicles across a range of platforms, with increased choice: new cars (Honda, and Daimler), new vans (range extended vehicles from Renault/Symbio and Renault/Nissan/Intelligent Energy) and a new medium sized urban delivery truck (Renault Trucks/Symbio). H2ME 2 develops an attractive proposition around range extended vehicles and supports a major roll-out of 1,000 of these vehicles to customers in France, Germany, Scandinavia and the UK. 1,230 new hydrogen fuelled vehicles will be deployed in total, trebling the existing fuel cell fleet in Europe. H2ME 2 will establish the conditions under which electrolytic refuelling stations can play a beneficial role in the energy system, and demonstrate the acquisition of real revenues from provision of energy services for aggregated electrolyser-HRS systems at a MW scale in both the UK and France. This has the further implication of demonstrating viable opportunities for reducing the cost of hydrogen at the nozzle by providing valuable energy services without disrupting refuelling operations. H2ME 2 will test 20 new HRS rigorously at high level of utilisation using the large vehicle deployment. The loading of stations by the end of the project is expected to average 20% of their daily fuelling capacity, with some stations exceeding 50% or more. This will test the HRS to a much greater extent than has been the case in previous projects.

Project Information

Type of project : Demonstration
Timing : 01/05/2016 > 30/06/2022
Project website: http://www.h2me.eu
Project Budget : 106.223.890 €

Funding

European Union through FCH JU: **Grant agreement 700350 - CORDIS link**

Project partners

Coordinator :
ELEMENT ENERGY LIMITED
Partners :
Daimler
Symbio
Air Liquide
AIR LIQUIDE ADVANCED TECHNOLOGIES SA
Nel Hydrogen
AREVA H2Gen
McPhy
Icelandic New Energy Ltd.
BMW AG
Michelin
Brintbranchen Hydrogen Denmark
CENEX - CENTRE OF EXCELLENCE FOR LOW CARBON AND FUEL CELL TECHNOLOGIES
AUDI AKTIENGESELLSCHAFT
HONDA R&D EUROPE (DEUTSCHLAND) GMBH
INTELLIGENT ENERGY LIMITED
AGA AB
COMPAGNIE NATIONALE DU RHONE SA
GNVERT SAS
COMMUNAUTE URBAINE DU GRAND NANCY
HYOP AS
ITM POWER (TRADING) LIMITED
ISLENSKA VETNISFELAGID EHF
SOCIETE D'ECONOMIE MIXTE DES TRANSPORTS EN COMMUN DE L'AGGLOMERATION NANTAISE (SEMITAN)
STEDIN DIENSTEN BV
OPEN ENERGI LIMITED
KOBENHAVNS KOMMUNE
hySOLUTIONS GmbH
THE UNIVERSITY OF MANCHESTER
H2 MOBILITY DEUTSCHLAND GMBH & CO KG
Nissan Motor Manufacturing (UK) Limited
RENAULT SAS
RENAULT TRUCKS SAS
SOCIETE DU TAXI ELECTRIQUE PARISIEN
MINISTERIE VAN INFRASTRUCTUUR EN MILIEU

Sub project(s)

Sub project 1

Country: United Kingdom
Address: TERRINGTON HOUSE 13-15 HILLS ROAD CB2 1NL CAMBRIDGE
Sub project categories
Demonstration

Project Id: 977

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