



Hydrogen Europe: European Hydrogen & Fuel cell Project Database

Project HyTEC

Hydrogen Transport in European Cities

This proposal focuses on creating two new European hydrogen passenger vehicle deployment centres in London and Copenhagen – cities that are widely recognised as synonymous with the goal of developing and then adopting ultra-low carbon urban transport solutions. The HyTEC project will also create genuine links between the new and existing hydrogen passenger vehicle demonstration projects across Europe, with a view to informing ongoing strategic planning for hydrogen rollout and also ensuring a ‘common voice’ towards the expansion of the hydrogen vehicle fleet in Europe towards commercialisation. To do so, a fleet of passenger cars will be deployed in Oslo, one of the early demonstration centres, continuing the rollout of the hydrogen vehicles at this site. The goal of the project is to implement stakeholder inclusive vehicle demonstration programmes that specifically address the challenge of transitioning hydrogen vehicles from running exemplars to fully certified vehicles utilised by end-users and moving along the pathway to providing competitive future products. A European consortium of 17 members from 5 member states has been assembled to deliver the project, which will:

- Demonstrate 25 new hydrogen vehicles in the hands of real customers, in two vehicles classes: taxis (5), passenger cars (19). In addition fuel cell hybrid hydrogen scooters will be demonstrated as a proof of concept in London and at Ride and Drive type events. The passenger cars will be supplied by leading global OEMs. These will be supported by new hydrogen refuelling facilities, which together with existing deployments in each city will lead to two new city based networks for hydrogen fuelling. These networks work on different concepts, one based on on-site production (Copenhagen) and the second on hydrogen delivery (London), allowing different pathways to be tested and compared.
- Analyse the results of the project, with an expert pan-European research team. The analysis will consider the full well to wheels life cycle impact of the vehicles and associated fuelling networks, demonstrate the technical performance of the vehicles and uncover the non-technical barriers to wider implementation.
- Plan for future commercialisation of the vehicles, as well as providing an approach for the rollout of vehicles and infrastructure, which builds on the demonstration projects.
- Disseminate the results of the project widely to the public to improve hydrogen awareness. This will be supported by targeted dissemination to, other regions, key industrial stakeholders and policy makers.

Project Information

Type of project : Demonstration

Timing : 01/09/2011 > 31/08/2015

Project website: <http://hy-tec.eu/>

Project Budget : 29.256.315 €

Funding

European Union through FCH JU: Grant agreement 278727 - [CORDIS link](#)

Project partners

Coordinator :

HyTEC

Partners :

Fraunhofer ICT-IMM Fraunhofer Institute for Chemical Technology ICT, Branch IMM

Hyundai Motor Europe GmbH

ELEMENT ENERGY LIMITED

HYDROGEN, FUEL CELLS AND ELECTRO-MOBILITY IN EUROPEAN REGIONS

LTI LIMITED

CENEX - CENTRE OF EXCELLENCE FOR LOW CARBON AND FUEL CELL TECHNOLOGIES

GREATER LONDON AUTHORITY

hySOLUTIONS GmbH

MATGAS 2000 AIE

Ludwig-Boelkow-Systemtechnik GmbH

COPENHAGEN HYDROGEN NETWORK AS

KOBENHAVNS KOMMUNE

Foreningen Hydrogen Link Danmark

INTELLIGENT ENERGY LIMITED

LHR AIRPORTS LIMITED

LONDON BUS SERVICES LIMITED

Sub project(s)

Sub project 1

Country: United Kingdom

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Sub project categories

Demonstration

Project Id: 1013

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