



## Country Update – United Kingdom 2015

### **Significant policy-related developments**

- UKH2Mobility and the Government response
- Invitation to tender for the Hydrogen Town project (now closed)
- H2TINA for transport
- Hydrogen's Value in the Energy System (HYVE)
- The Fuel Cell Industry Review 2014
- FCH-JU Electrolyser Study



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### **UKH2 Mobility and the Government Response**

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- HyTAP - a significant first step towards the provision of a national hydrogen refuelling infrastructure.
- £11m funding to support 15 hydrogen refuelling stations and 40 fuel cell vehicles.



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### **Invitation to tender for the Hydrogen Town project (now closed)**

- Desk study to investigate and compare 4 technology solutions to replace the use of natural gas in an actual UK town of around 10-15,000 population.
- The solutions to be investigated are hydrogen, hybrid heat pumps, electric heat pumps and heat networks.



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### **H2TINA for transport**

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- Technology Innovation Needs Assessment (TINA) prepared for the Low Carbon Innovation Coordination Group.
- [www.lowcarboninnovation.co.uk](http://www.lowcarboninnovation.co.uk)



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### **Hydrogen's Value in the Energy System (HYVE)**

- A 3 year project being undertaken by UCL and the Universities of Reading and Edinburgh.
- To examine the use of hydrogen for load balancing in an electricity system with a high penetration of renewable electricity, the value of hydrogen as a transport fuel, and as a fuel for zero-carbon heat generation.



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### **The Fuel Cell Industry Review 2014**

- E4tech takes on the annual fuel cell industry review following the withdrawal of Fuel Cells Today.
- Available as a free download - [www.FuelCellIndustryReview.com](http://www.FuelCellIndustryReview.com)



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### **FCH-JU Electrolyser Study**

- *Development of Water Electrolysis in the European Union*, by E4tech Sarl and Element Energy was published on 7 February 2014.
- Available as a free download form the FCH-JU website.



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### **Review IPHE**

- What have been the most valuable aspects or outcomes of IPHE?
- What is your greatest need that can be addressed through IPHE?
- List top 3 actions/next steps to be undertaken through IPHE.
- List at least one specific action you would be willing to support.





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### **What have been the most valuable aspects or outcomes of IPHE?**

- Exchanging information.
- The first roundtable with stakeholders (Berlin, 17 November 2011)
- The workshop on energy storage technologies (Seville, 15-16 November 2012).



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### **What is your greatest need that can be addressed through IPHE?**

- Good quality analytical data which is credible, and to a lesser extent, policy recommendations based on such data.



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- List top 3 actions/next steps to be undertaken through IPHE.**
- List at least one specific action you would be willing to support.**
- No specific suggestions at this stage, and not prepared to commit to support. Discussion required. What can the IPHE do which cannot be done by some other organisation(s)?



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### **Thank you**

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