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Hydrogen Mobility Europe (H2ME) – Creating the European Vision for Hydrogen Transportation

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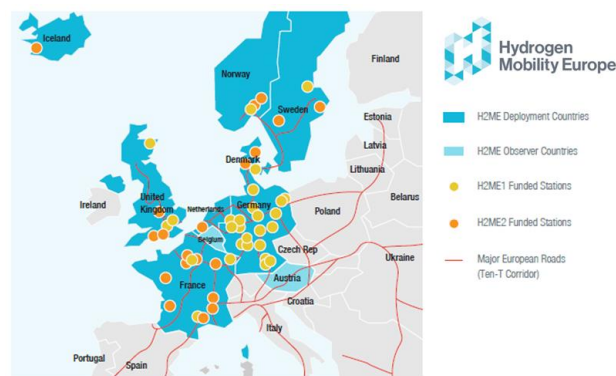
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The European Commission [1] has identified Hydrogen Fuel Cell Electric Vehicles as a key technology needed for Europe to meet its ambitious target of reducing GHG emissions from the transport sector by 60% by 2050 [2]. Hydrogen refuelling technology has progressed significantly since the first demonstration and funding programmes began, but a number of market barriers persist preventing its widespread uptake within European markets [3].

H2ME combines Europe's four leading initiatives on hydrogen mobility (in Germany, France, The Netherlands and the UK [4]), removing market barriers to create a truly European hydrogen network and a united deployment strategy. The project will provide a unique opportunity for these major initiatives to harmonise their strategies for the first time and significantly expand Europe's hydrogen vehicle and station network. H2ME is the largest demonstration project to date, testing different strategies and the latest technology from leading car OEMs of the sector (Daimler, Symbio FCell, Honda, Hyundai and Toyota). H2ME has launched 49 stations and more than 1400 vehicles across 10 countries throughout the five year duration of the project.



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Figure 1: Map of HRSs for H2ME

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REFERENCES

- [1] Discussed in the European Strategic Energy Plans (SET) and related EC/CE documents.
- [2] Roadmap to a Single European Transport Area – Towards a competitive and resource efficient transport system COM(2011)144 final, 28/3/2011.
- [3] FCH 2 JU Multi-Annual Work Plan 2014 – 2020.
- [4] Mobilité Hydrogène France, H2Mobility Germany, UK H2Mobility and the Scandinavian Hydrogen Highway Partnership.