



D2.1.2 Delivery of OEM passenger cars to London

NEF Del. No. 2.4



Dissemination level: PU – Public



WP2 Deliverable D2.1.2

A total of six fuel cell electric vehicles (FCEVs) from Hyundai (model ix35 Fuel Cell) were delivered to London during summer 2014:

- Two FCEVs associated with the HyTEC project.
- Three FCEVs through the London Hydrogen Network Expansion (LHNE) project.
- One FCEV from the HyFIVE project.



The UK's first ix35 FC cars delivered in summer 2014

The registration process for all six vehicles took longer than originally anticipated. The first challenge was to obtain registration details for the cars from the Driver and Vehicle Licensing Agency (DVLA). This proved more difficult than expected as hydrogen was not a valid fuel type in the DVLA's computer systems, which had to be updated. To legally operate hydrogen-fuelled vehicles on UK roads a Vehicle Special Order (VSO) is also currently required. VSOs are issued by the Vehicle Certification Agency and the process for obtaining the orders took many weeks due to the number of queries raised by the VCA. This was perhaps inevitable given the first-of-a-kind nature of this activity, but a major positive outcome from the process was the removal of the original restriction on use of the cars in tunnels.



ix35 FCEVs at a photo-shoot in east London, October 2014

The two vehicles delivered through the HyTEC project were handed over by the local Hyundai representative to the customer (Transport for London) on October 23rd 2014. As of early November 2014 the vehicles are yet to enter day-to-day service as the livery is being applied. TfL plans to issue its own press release once the vehicles are ready to enter service.¹

¹ This will follow the press release from Hyundai in October 2014 announcing the arrival of the first batch of ix35 FC cars to the UK, which was widely reported in automotive media. E.g. see www.motoringresearch.com/car-news/first-hydrogen-hyundais-delivered-uk-1021953083.

The vehicles will be driven by TfL's bus operations team, mainly in west London, and are expected to use the Hatton Cross refuelling station for the majority of their fuelling. They will also have access to the hydrogen refuelling station at Temple Mills (east London) that serves the TfL's fleet of fuel cell buses. Training sessions for a group of TfL employees at both refuelling stations are being arranged (November 2014) and will be supported by Air Products and Hyundai's local representatives.



ix35 FCEVs being handed over to TfL, October 2014