



The Challenge

Hydrogen Mobility Europe (H2ME1) was the first phase of the largest European deployment for hydrogen mobility to date. The primary aim of H2ME is to demonstrate that operating zero tailpipe-emission fuel cell electric vehicles (FCEVs) in urban applications can be viable for fleets compared to diesel alternatives.



The Development

The FCEVs were deployed with working fleets in a variety of roles, including as taxis and police vehicles, as well as with private customers, over a five year period.

Cenex conducted data capture and analysis of the FCEV and hydrogen refuelling station (HRS) performance to establish the technical readiness of vehicles and stations for wider deployment.

During phase one Cenex also conducted a review of the permitting process and regulations, codes and standards (RCS) involved in installing HRS in different European countries



The Results

The project has compiled an unrivalled dataset of hydrogen vehicle operation and refuelling since 2015: 630 hydrogen fuel cell electric vehicles have been deployed in 10 countries and 37 new hydrogen refuelling stations installed in 8 countries, achieving 14.5 million km driven and 147 tonnes of hydrogen dispensed across 68,000 refuelling events.