

#fuelcells

#zeroemission

EVERY
WH₂ERE

#zeronoise

#hydrogencities

Making Hydrogen Affordable to Sustainably Operate Everywhere in European Cities

MISSION

Temporary diesel gensets are used everywhere in our cities (markets, construction sites, temporary events and concerts...) and Non-road diesel engines account for 5-10% of fine-particle pollution in urban environment. Fuel cell can easily replace these technologies promoting zero noise, zero emission temporary generation. The main objective of EVERYWH₂ERE project is to demonstrate at TRL8 easy to transport "plug and play" Fuel Cell (FC) gensets at urban level in order to identify and overcome technical and non-technical barriers for their widespread. Demonstration results will be capitalized towards the redaction of three replicability studies, the definition of a commercial roadmap for the complete marketability of the gensets within 2025, a detailed logistic and environmental analysis. Local authorities will be involved in the project since its beginning (as well as industrial stakeholders) to promote through policies and dedicated regulatory framework the spreading of FC gensets.

GENSET

The project is building on expertise from 12 partners coming from 7 EU countries and it will integrate already demonstrated robust proton-exchange membrane fuel cells (PMEFC) stacks and low weight, intrinsically safe pressurised hydrogen technologies into easy to install, easy to transport fuel cell-based transportable containerezed gensets (4x25 kW and 4x100 kW).

The EVERYWH₂ERE project aims to make European cities the living laboratory to demonstrate FC technologies not only for automotive and domestic contexts, but also for niche application where FC could become the turnkey technology thanks to their zero noise and zero emission generation.

DEMONSTRATORS

The prototypes will be tested in construction sites, music festivals and urban public events all around Europe, demonstrating their flexibility and their enlarged lifetime.

These kind of events can become an important showcase to promote the FCH potential to a large audience in order to increase their social acceptance and public awareness.

An active involvement in this process of public authorities and industrial stakeholders can foster the spreading of FC gensets opening a potential market doorway for FC deployment towards a unique and viable European Hydrogen economy.

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 Everywh2ere Project

PROJECT PARTNERS

www.everywh2ere.eu

