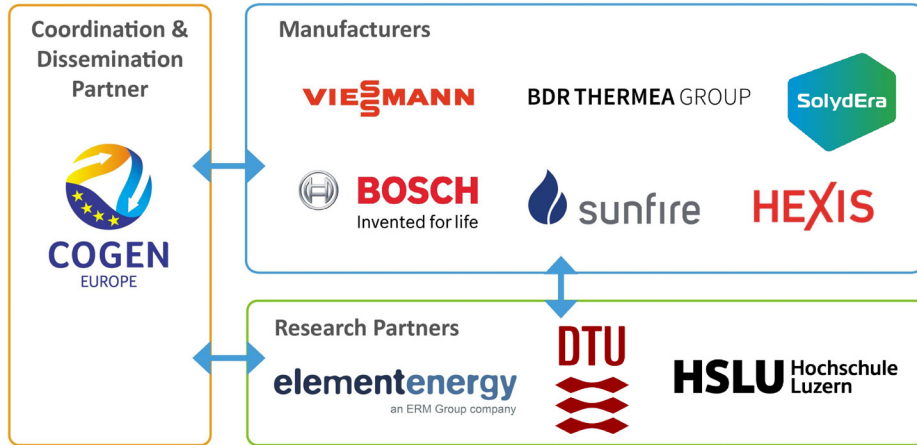


Partners – Joining forces



Pathway to a Competitive European Fuel Cell micro-CHP Market

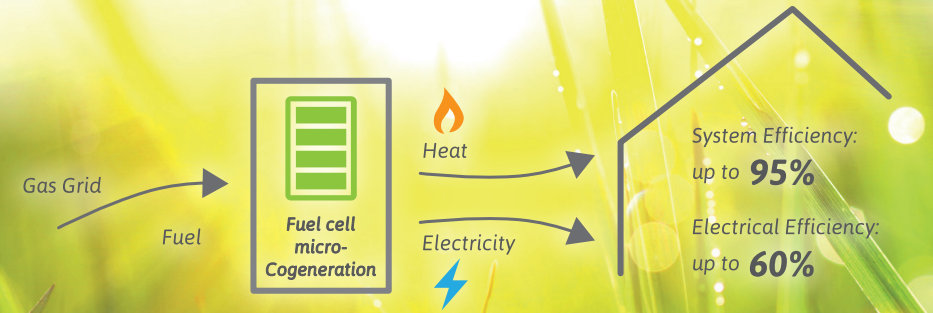
Get in touch

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Pathway to a Competitive European Fuel Cell micro-CHP Market



PACE – Pathway to a Competitive European Fuel Cell micro-CHP Market

Fuel Cell micro-Cogeneration – Heating and Powering your Home

PACE is a €90 million public-private project aimed at ensuring that Fuel Cell micro-Cogeneration in Europe becomes mainstream in the residential market.



The PACE project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking (now Clean Hydrogen Partnership) under grant agreement No 700339. This Joint Undertaking receives support from the European Union's Horizon 2020 research and innovation programme and Hydrogen Europe and Hydrogen Europe



Why Fuel Cell micro-Cogeneration?

Fuel Cell micro-Cogeneration is a highly efficient home energy system that simultaneously produces heat and electricity.



Empowers consumers:

It transforms Europeans into active energy 'prosumers' (producer-consumers), creating a decentralised energy system with a reduced carbon footprint and lower energy bills.



Supports the European energy transition:

With total efficiencies of more than 90%, including electrical efficiencies of up to 60%, this technology can achieve significant energy savings and CO₂ emission reductions. This "fuel flexible" technology will be progressively fueled by renewable energy sources, such as hydrogen and renewable gas.



Provides greater flexibility for the energy system:

By generating heat and electricity near the point of consumption, Fuel Cell micro-Cogeneration relieves the stress on the electricity grid during peak demand (e.g. for powering heat pumps and charging electric vehicles). It can, individually or in group, step in when the wind is not blowing and the sun is not shining.



Fosters innovation and high-value jobs:

Provides new and highly skilled green jobs in Europe, while building on the existing expertise of the heating industry.

Promoting a successful transition to the large-scale uptake of Fuel Cell micro-Cogeneration

PACE strives to **unlock the market for Fuel Cell micro-Cogeneration** by working with customers, the supply chain, and policy-makers in ten selected countries across Europe.

Fuel Cell micro-Cogeneration units have demonstrated initial **technology readiness** in previous European and national test projects (including Callux, ene.field, SOFT-PACT, Fuel Cell@home, Crisalide and others).

PACE works towards establishing Fuel Cell micro-Cogeneration technology in the market by **increasing volumes, reducing product costs, demonstrating its smart grids capabilities, promoting its visibility, and creating more favorable policy conditions** at the national and EU levels.

By 2023, PACE aims at installing **at least 2,800 units in Europe, as part of a manufacturing transition to higher volumes in the order of 10,000 units/year post 2020.**



- Reduces costs & improves competitiveness
- Improves products' performance
- Establishes Fuel Cell micro-Cogeneration as a standard technology
- Raises awareness on Fuel Cell micro-Cogeneration
- Demonstrates product readiness as a key component in the delivery of Europe's energy goals

What PACE does to promote the Fuel Cell micro-Cogeneration sector:

