



Fuel cell hydrogen and energy generation for automotive industry

Description

Cogeneration of hydrogen, heat and power using solid oxide based system fed by methane rich gases.

Objectives

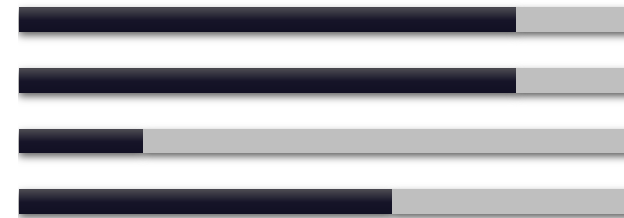
- To support an in-depth investigation on the potential market, on the business strategy, being in contact with the partners as a facilitator along the roadmap for the technology development since the beginning of the project.

Activities

- Market uptake:
 - Life-Cycle Assessment LCA,
 - Life-Cycle Costing LCC.

Challenges

- Input data complex to collect
- Technical knowledge required
- Legal & legislation barriers
- Technology readiness level



Expected outcomes

- Purity level of hydrogen of 99.9% with a CO-level < 200 ppb,
- Cost < 4,5 €/kg,
- Impact on hydrogen cost and associated carbon emissions,
- 75% overall system efficiency.

