Projektsteckbrief

Project Title

European-wide field trials for residential fuel cell micro-CHP - ENE.FIELD

Initial Situation

- According to the experience from CALLUX project in Germany, it has shown that Fuel Cells technology can provide on field a valuable amount for electricity and heat. It has shown also that the technology is robust.
- According to this experience, ene.field project represents a step change in the volume of fuel cell deployment for this sector in each country.

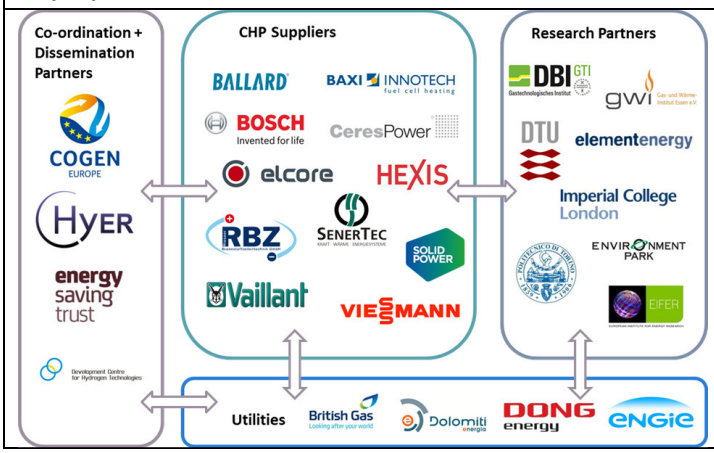
Methodology in WP2

- Deployment and installing 1,046 fuel cell CHP units across 11 key European countries.
- Monitoring 5-minutes and one-month energy and availability datasets.
- Analysing the collected data over the total monitored period and representing the results according the technology SOFC or PEM FC.
- Measuring the installed micro FC-CHP units in an independent laboratory - GWI & DBI.
- Reporting the result of the technical analysis and availability of the units.

Outcomes

The outcomes focused on the energetically analyses for the installed units. The analyses includes the performance data were the hours of full utilization and the on-off cycles could be presented. The analyses includes also the energy demand data presented by the electrical and thermal demand coverage degree in the object. In addition to that, the availability and non-availability were evaluated to show if the fuel cells were robust. Finally, the energy data from field trial and the laboratory test were compared to reflect how efficient the units worked in the field trial.

Projektlaufzeit	Fördermittelgeber	Förderkennzeichen
01.09.2012 – 31.08.2017	EU	303462

Projektpartner	Projekt-Homepage	Kontaktperson
	http://enefield.eu/	Herr Mustafa Flayyih, 0201-3618274, flayyih@gwi-essen.de