



ene.field national workshop:

Fuel Cell mCHP: Pathways in the UK to a low carbon future

Part of UK Hydrogen Week 2017

Monday, 13 March

Time: 14.00 – 17.00
Venue: Gallery Suite, National Exhibition Centre, Birmingham
Registrations: Please complete [this form](#) by 8th March

ene.field project partners are pleased to invite you to learn more about Fuel Cell micro-combined heat and power (FC mCHP), first-hand from manufacturers. The aim of this workshop is to **inform participants of the ene.field project findings and of the potential of FC mCHP technologies for enabling energy transition in the United Kingdom**. This is the fourth of a series of national workshops that will present project findings in different markets across Europe. The **ene.field workshop will be held as part of the UK Hydrogen Week and will take place the day before the main ‘Hydrogen & Fuel Cells into the Mainstream’ Conference**. Ideas and inputs will be collected from the audience (local policy-makers, academics, industries, DSO, ESCOs, utilities, operators and end-users), with a view to address the challenges for a deployment of fuel cell micro-CHP technologies in the UK.

FC mCHP solutions are ready to enter people’s homes, enabling consumers to efficiently produce their own heat and power, and thus reducing their energy bills and environmental footprint. In order to realise the potential of FC mCHP, there is a need for a **clear vision on policy and market development at both EU and national levels**. This will ensure that innovative European manufacturers can bring product costs down, and reach mass commercialisation by scaling up production.

A number of European manufacturers has now reached the point where the technical challenges of residential FC mCHP are resolved in small field trials and there is already some progress on scaling up towards mass manufacture with large deployment projects, such as Callux (Germany), ene.field and more recently PACE (EU). The last two, co-funded by the **Fuel Cell and Hydrogen Joint Undertaking (FCH JU)**, have embarked on an ambitious programme to install and monitor thousands of FC mCHP units under different climate conditions throughout Europe. The industry is committed to deliver the FC mCHP products to consumers, while cutting down costs and aiming for even higher electrical and total efficiency for their technologies. For the successful FC mCHP market entry, however, industry efforts need to be complemented by high level political commitment. Addressing administrative and other non-economic barriers is key to encourage the adoption of such innovative technologies.

Participation & Registrations

Attendance to the workshop is free. To register for the workshop, please complete [this form](#) by 8th March COB. For any questions you may contact Jon Jordan (jon@hyer.eu) and Valentine Willmann (valentine@hyer.eu). Participating in the ene.field workshop entitles you to a special rate of £195 for the Hydrogen & Fuel Cells into the Mainstream Conference. To register for the Hydrogen & Fuel Cells into the Mainstream Conference at the reduced rate or to find out more details, please go to the [Conference website](#) and pick the partners option on the payment page or contact Jacqui.staunton@climate-change-solutions.co.uk (+447866552833)



WORKSHOP PROGRAMME

Monday, 13 March

National Exhibition Centre, Birmingham

- 14:00 – 14:30 Welcome coffee and registration
- 14:30 – 14:45 Fuel Cell micro-CHP within Europe's Strategy for energy and climate
Bart Biebuyck, Executive Director, Fuel Cells and Hydrogen Joint Undertaking
- 14:45 – 15:00 ene.field and PACE projects: findings and overview
Lisa Ruf, Senior Consultant, Element Energy
- 15:00 – 15:20 Impact of widespread deployment of micro-CHP in European electricity systems
Predrag Djapic, Research Associate, Imperial College London
- 15:20 – 15:40 Fuel Cell micro-CHP deployment in the UK: barriers and opportunities
Alem Tesfai, Renewable Energy Consultant, CIBSE
- 15:40 – 16:00 The role of Fuel Cell micro-CHP in delivering UK's energy transition
Mike Small, Group Product Manager for Services and m-CHP, BDR Thermea
- 16:00 – 16:30 Coffee break
- 16:30 – 17:20 Setting up a comprehensive framework for the deployment of fuel cell micro-CHP in UK – panel discussion
Moderated by **Jon Jordan**, HyER
- **Bart Biebuyck**, Executive Director, Fuel Cells and Hydrogen Joint Undertaking
 - **Sylvia Broadley**, Green Fleet Change Manager, Birmingham City Council
 - **Phil Caldwell**, CEO, CERES Power
 - **Predrag Djapic**, Research Associate, Imperial College London
 - **Lisa Ruf**, Senior Consultant, Element Energy
 - **Mike Small**, Group Product Manager for Services and m-CHP, BDR Thermea
 - **Alem Tesfai**, Renewable Energy Consultant, CIBSE
- 17:20 – 17:30 Conclusions
Jon Jordan, HyER



About ene.field

The ene.field project is the largest European demonstration project of the latest smart energy solution for private homes, micro-CHP. It will see up to 1,000 households across Europe able to experience the benefits of this new energy solution. The five-year project uses modern fuel cell technology to produce heat and electricity in households and empowers them in their electricity and heat choices.

The ene.field project is co-funded by the Fuel Cells and Hydrogen Joint Undertaking (FCH JU) and brings together 27 partners, including 10 European manufacturers who will make the products available across 11 European countries.

The ene.field partners are:

