



Fuel Cells and Hydrogen in Buildings: Integrating Electricity, Heat and Gas for a Decarbonised Future Energy System



Tuesday, 18 June
12:00 – 15:30



The Office, Rue d'Arlon 80,
1040 Bruxelles

The energy system of the future will face increasing cost and reliability issues as all sectors are mobilised to respond to the decarbonisation challenge. Key studies, including the European Commission's Clean Planet for All Strategy, conclude that utilising the existing grids to supply green fuels, including hydrogen (H₂), will be key in decarbonising our economy. In this context, the large-scale uptake of stationary fuel cells for heat and power production in buildings is essential and must be kick-started today and accelerated in the future. This will ensure that decarbonisation is achieved at lower costs for consumers and the economy, ensuring higher energy efficiency, a more reliable energy system and less polluted environment.

The session will explore how building-level fuel cells and H₂ can contribute towards EU's 2030 and 2050 climate and energy goals. It will provide case studies of customer experiences and will showcase the industry's commitment to scale up fuel cell micro-cogeneration uptake and reduce product cost. Speakers will map out a decarbonisation pathway for buildings, with a mix of complementary solutions, including energy efficiency via fuel cell micro-cogeneration and renewable and decarbonised gases.

The event will discuss with national governments, local authorities, the European Commission and industry representatives the potential, challenges and opportunities for large scale fuel cell micro-cogeneration and H₂ uptake in the building sector. The debate will focus on national and local authorities' perspectives, as they engage in national debates on medium and long-term climate and energy strategies as part of the Clean Energy Package implementation.



Agenda

12:00-13:00

Lunch

13:00 – 13:05

Introduction

Mr. Hans Korteweg, COGEN Europe/co-ordinator of PACE project

13:05 – 13:20

Keynote Speech

Ms. Mirela Atanasiu, Fuel Cells & Hydrogen Undertaking (FCH JU)

13:20 – 14:15

How will fuel cells and hydrogen in buildings address the challenges of the future energy system?

Moderator: Ms. Alexandra Tudoroiu-Lakavice, COGEN Europe

Ms. Mirela Atanasiu, FCH JU
Ms. Federica Sabbati, EHI
Ms. Alix Chambris, Viessmann
Mr. Olivier Bucheli, SOLIDpower
Ms. Eva Henning, Thüga

14:15 – 14:30

Coffee Break

14:30 – 15:15

How can policy, markets and financing tools drive large-scale uptake of innovative energy solutions in buildings?

Moderator: Ms. Lisa Ruf, Element Energy

Ms. Katarzyna Gryc, DG Energy, European Commission
Mr. Adrian Joyce, EuroACE
Ms. Kristina Klimovich, LEED® GA/EuroPACE Project
Mr. Nigel Holmes, Chief Executive Scottish Hydrogen & Fuel Cell Association

15:15 – 15:30

Conclusions

Mr. Nicolas Brahy, Hydrogen Europe