



# UK Green Gas Day 2022

29th September 2022 | National Motorcycle Museum | Birmingham

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**@UKBiomethaneDay**



ORGANISED BY:

**REA** GREEN GAS

SPONSORED BY:

 **Air Liquide**

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The REA and CNG Services have been running the Green Gas Day since 2012. It is the largest industry gathering in the UK focused on green gases, including hydrogen, with over 300 people attending all previous years.

Along with actions to accelerate the roll out of energy efficiency measures and the deployment of renewables, green gases such as biomethane and clean hydrogen are key to reduce our dependency on fossil fuels and reliance on imported gas from Russia, as well as to deliver an energy future which is independent, secure, and stable.

In response to the energy price crisis and the Ukrainian situation, the European Commission has recently issued proposals to reduce the EU's dependence on Russian gas by two thirds before the end of 2022 as part of a plan to become independent from all Russian fossil fuels "well before 2030". Larger volumes of biomethane and clean hydrogen production will be needed to meet those goals.

The UK has been active in the development of green gas plants in the past decade, but more needs to be done to help us become self-sufficient. The growth of the green gas sector in the UK has been mostly supported by the Non-Domestic Renewable Heat Incentive (NDRHI) and, more recently the Green Gas Support Scheme (GGSS). According to Government statistics, the UK has 143 biomethane to grid projects registered under the NDRHI, with a further 31 projects in the pipeline. Another 45 biomethane plants are also expected to be developed over the life of the GGSS.

Green gases supplied for transport under the Renewable Transport Fuel Obligation (RTFO) have also been growing rapidly in recent years, particularly biomethane. Mobility is also likely to be one of the key sectors to kick-start the development of the clean hydrogen sector in the UK.

New financial models that are not reliant on subsidies are also emerging for biomethane plants with carbon capture and storage, which make biomethane carbon negative and particularly valuable for companies that need to offset their residual GHG emissions.

In the UK and in the world clean hydrogen is currently enjoying an unprecedented political and business momentum as a versatile and sustainable energy carrier, but the right policy and regulatory framework needs now to be in place to support the rapid scale up of this sector and deliver the necessary cost reductions. Policy to support clean hydrogen is developing at a fast pace in the UK and much innovation is being carried out to facilitate the safe and sound deployment of hydrogen production, injection into the gas network and different hydrogen applications. Innovative projects are underway that are integrating renewable electricity generation such as solar and wind with batteries and electrolyzers, and injecting hydrogen into the National Transmission System.

# WHY ATTEND?

This year's Green Gas Day will look at all recent and future policy developments to support green gases such as biomethane and clean hydrogen, as well as the latest changes that will impact the green gas market. UK Green Gas Day 2022 will also highlight the latest technical developments and showcase the industry's latest innovation on green gas production, connection to the grid, blending, process optimisation, adding value and green gas trading.

It will be a packed programme with both the conference and the exhibition.

Come to UK Green Gas Day to meet project developers and operators, financiers, feedstock providers, waste hauliers, technology providers and government officials. Visit exhibition stands from all of the major suppliers to the green gas industry. If you are involved in or interested in Green Gas, then this is the one industry event in 2022 that you cannot afford to miss.

## Who Should Attend?

- Green Gas producers
- Organic waste producers/processors
- Waste management companies
- Landowners
- Food manufacturers
- Sustainability managers
- Farmers
- Investors and Financiers
- Insurance companies
- Gas grid owners
- Gas shippers and suppliers
- Government bodies and Regulators
- Green Gas Equipment suppliers
- Local authorities
- Haulage companies
- Retailers



# OUR AGENDA

09:00 - 09:30 - Refreshments and Registration

09:30 - 09:40 - Welcome and introductions - Dr Nina Skorupska CBE, REA's CEO (tbc)

## The role of green gas in delivering energy security and net zero

09:40 - 09:55 - Chaired by William Mezzullo - REA Green Gas and Hydrogen Chair, Centrica

09:55 - 10:10 - Can green gas help make Europe independent from fossil fuels?

Harmen Dekker, European Biogas Association

10:10 - 10:25 - Green gases in the Future Energy Scenarios

Jay Chandarana, National Grid ESO (invited)

10:25 - 10:40 - Government policy to support green gas and the decarbonisation of the gas grid

Jane Lumb, BEIS (invited)

10:40 - 10:50 - Q&A

10:50 - 11:10 - Morning Tea/ Coffee break & Networking

## Maximising revenues through energy markets, innovation, and extending the operating life of AD plants

11:10 - 11:25 - Chaired by David Hurren - Air Liquide

11:25 - 11:40 - Power, gas and carbon prices: what does the present and the future hold for green gas assets?

Liam Langshaw, Baringa Partners

11:40 - 11:55 - The market today for gas wholesales, RGGOs, and RTFCs and balance between market exposure and revenue security

Katrina Hillary, GEMS UK (Engie)

11:55 - 12:10 - Making green gas grid connections possible: the case for reversed compression

Alison Cartwright, CNG Services Ltd

12:10 - 12:25 - The value for money case for converting existing biogas CHP plants to biomethane

Lucy Hopwood, NNFCC

12:25 - 12:35 - Q&A

12:35 - 13:45 - Lunch/Networking

## Creating value for green CO<sub>2</sub> in the short and medium term

13:45 - 14:00 - Chaired by Ellen Daniels, CEO of BCGA

14:00 - 14:15 - Green CO<sub>2</sub>: Food grade and industrial grade, opportunities and challenges ahead

Julie M. Elders, Biocarbonics (invited)

14:15 - 14:30 - Regulatory framework for bio-CO<sub>2</sub> capture, storage and use

Kathy Nicholls, EA (invited)

14:30 - 14:45 - Exploring the potential for negative emissions from green gas with carbon capture, utilisation and storage

Naser Odeh, Ricardo Energy & Environment (invited)

14:45 - 15:00 - The Astrazeneca deal and the voluntary negative carbon offsetting marker

Philipp Lukas and Helen Wyman, Future Biogas

15:00 - 15:10 - Q&A

15:10 - 15:30 - Afternoon Tea/Coffee break and Networking

## Decarbonising farming with rural biomethane

15:30 - 15:45 - Chaired by Kiara Zennaro, REA

15:45 - 16:00 - Vision of a sustainable model for biomethane in agriculture

Jean-Marie Gauthey, GRDF

16:00 - 16:15 - Lowering the carbon footprint of agriculture - the Grosvenor project

Charlie Steer, Grosvenor

16:15 - 16:30 - Connecting AD farms of the gas grid: virtual pipelines

Daniel Lambert, Acorn Bioenergy

16:30 - 16:50 - Off-Grid Biomethane - Rural Production and Supply

Richard Gueterbock, Food Chains and Angie Bywater, University of Southampton

16:50 - 17:00 - Q&A

17:00 - 17:10 - Closing remarks from the REA Green Gas Chair - William Mezzullo, Centrica

**17:10 Close**



# OUR EXHIBITORS



## Pricing:

### Delegate Bookings (Up to 31st May):

REA Member - £150+VAT

GGCS Member - £150+VAT

REA Non-Member - £225+VAT

### For Exhibitor/Sponsorship Details Contact:

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To book your delegate place visit: [www.r-e-a.net/events](http://www.r-e-a.net/events)

## Directions:

By Car: The National Motorcycle Museum is located directly off Junction 6 of the M42, directly opposite the NEC

By Plane/Train: Birmingham International is a short taxi drive away

National Motorcycle Museum, Coventry Road, Bickenhill, Solihull, West Midlands. B92 0EJ

Correct as at 31.05.2022- Subject to change