



UK Green Gas Day 2021

9th September 2021 | National Motorcycle Museum | Birmingham

Follow us on:
@UKBiomethaneDay



ORGANISED BY:

REA GREEN GAS

SPONSORED BY:

Air Liquide

Clarke Energy
A KOHLER COMPANY

cng services Ltd

Engineer - Install - Maintain

The REA and CNG Services have been running Green Gas Day (formerly Biomethane Day) since 2012. It's the largest industry gathering with over 300 people attending all previous years.

According to Government statistics, the UK has 143 existing biomethane injection projects, with a further 36 projects in the pipeline. Even more biomethane to grid projects are expected to be built under the new Green Gas Support Scheme, expected to be launched by BEIS in the Autumn. In addition, changes recently made to the Renewable Heat Incentive, which came into effect on 1st April, have made it easier for biomethane producers to access support under the Renewable Transport Fuel Obligation, boosting biomethane production at existing plants.

Biomethane from thermal gasification is also seeing exciting developments, with the first plant being currently commissioned and other larger projects in the pipeline.

Meanwhile, several trials are underway across the UK to prove the technical and safety case for low-carbon hydrogen and the Government has released its Hydrogen Strategy along with a number of consultations to support the deployment of low-carbon hydrogen.

UK Green Gas Day 2021 will cover policy and technical developments relevant to all green gases, including biomethane, low-carbon hydrogen, and bio-propane.

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 biomethane industry. If you are interested in Green Gas, this is the one industry event you cannot afford to miss.

OUR AGENDA

09:30 - 10:00 - Refreshments and Registration

10:00 - 10:10 - Welcome and introductions - Dr Nina Skorupska CBE, Chief Executive REA

Green Gases and Net Zero

10:10 - 10:25 - Chaired by William Mezzullo - Senior Business Development Manager, Energy Marketing & Trading, Centrica and REA Green Gas Forum Chair

10:25 - 10:50 - Government policy to support biomethane and clean hydrogen
William Lord, Green Gas Support Scheme Policy Implementation Lead, BEIS and Corrine Ribbons
Policy Delivery Manager Net Zero Hydrogen Fund, BEIS - Including 5 minute Q&A

10:50 - 11:05 - Centrica's activities on Hydrogen
Lotte Holmberg Rasmussen, R&D Project Manager, Centrica

11:05 - 11:20 - RTFO and Government transport decarbonisation plan: The role of Green Gases
Dr Nick Matthews, Principal Sustainability Specialist - Low Carbon Fuels, DfT

11:20 - 11:35 - Power and carbon prices: after a year of instability, what does the future hold?
Liam Langshaw, Senior Consultant, Power & Renewables at Baringa Partners

11:35 - 11:50 - Progress made by the gas networks to deliver the world's first zero carbon gas grid. Challenges and next steps to 2025.
Chris Train, ENA Green Gas Champion

11:50 - 12:05 - Biogas: the next generation
Philipp Lukas, CEO, Future Biogas

12:05 - 12:20 - Q&A

12:20 - 13:35 - Lunch/ Networking

The transition to Net Zero transport: The role of Green Gases

13:35 - 13:50 - Chaired by Ian Waller - Founding Partner at In Perpetuum Partners LLP and REA Renewable Transport Fuels Chair

13:50 - 14:05 - RNG: A fast growing market in the US
Patrick Serfass, Executive Director, American Biogas Council

14:05 - 14:20 - Opportunities for Green Gases in road transport
Gloria Esposito, Head of Sustainability, Zemo Partnership

14:20 - 14:35 - Rapid expansions in Green Gases for transport and customer experience
Benjamin Fillion, Head of Sales, Air Liquide Biogas Solutions Europe

14:35 - 14:50 - Choices available to decarbonise logistics
Paul Preston, Commercial Manager, Reynold Logistics

14:50 - 15:05 - Q&A

15:05 - 15:30 - Tea/Coffee break and Networking

Decarbonise rural and off the grid communities

15:30 - 15:45 - Chaired by Kiara Zennaro, Head of Heat - Green Gas Lead, REA

15:45 - 16:00 - Rural decarbonisation and off-grid Biomethane
Richard Gueterbock, Director, Food Chains, and Angela Bywater, Environmental Biotechnology
Network Co-Manager, University of Southampton

16:00 - 16:15 - Biomethane as a tractor fuel – towards Net Zero farming
David Redman, Tractor Product Specialist, New Holland

16:15 - 16:30 - Biogas network to central upgrading and injection to Transmission Grid with CCS capture
John Baldwin, Managing Director, CNG Services Ltd

16:30 - 16:45 - The role of biopropane to decarbonise the off-grid market
Duncan Carter, Corporate Affairs Manager, Calor Gas

16:45 - 16:55 - Q&A

16:55 - 17:05 - Closing remarks from the REA Green Gas Chair - William Mezzullo

17.05 Close

OUR SPEAKERS



Dr Nina Skorupska CBE FEI, Chief Executive, REA

Prior to joining the REA in 2013, Nina worked for 20 years for the RWE Group (and UK predecessors: National Power, Npower etc.) across fuel engineering and R&D, power station operations (where she was Npower's first female power station manager) and trading. Her last RWE role was CTO, Essent (RWE's Dutch business). She is a Board member of Transport for London (TfL), REAL (REA subsidiary), and more recently Royal BAM Group NV. She also advises Carbon Trust, National Grid ESO and Energy Research Accelerator (ERA) and others. She is a Fellow of the Energy Institute. She received her CBE in 2016 for her services to renewable energy sector and promoting diversity in the Energy Industry.



Dr Nick Matthews, Principal Sustainability Specialist - Low Carbon Fuels, DfT

Nick is a Principal Sustainability Specialist in the RTFO Unit at the Department for Transport where he leads on reporting and guidance updates as well as contributing to policy development around recycled carbon fuels. Previously to starting at DfT, Nick spent time working for the Government Office for Science and completed a PhD in Science, Technology and Innovation Policy at the University of Manchester where his research focussed on the sustainability assessment and sustainable governance of emerging biotechnologies.



Liam Langshaw, Senior Consultant, Power & Renewables at Baringa Partners

Liam helps developers, investors, corporates, and policymakers navigate the journey towards a low-carbon future. He specialises in power and decarbonisation at Baringa, with experience advising clients across Europe on market fundamentals to business case development and execution. Recently, Liam has led the commercial structuring of innovative private wire ownership models, risk management strategy for the UK's largest, subsidy-free Corporate PPA portfolio, and new-build biomethane sourcing for distributed generation assets.



Chris Train, ENA Green Gas Champion

Former CEO of Cadent, Britain's largest gas distribution network, Chris is spearheading ENA's Gas Goes Green programme as the UK's Green Gas Champion, to create the world's first zero carbon gas grid here in the UK, to hit our 2050 net zero carbon target. He currently sits on the Government's Hydrogen Advisory Council and is the Advisory Council's Champion on the Standards and Regulation Work Group. Chris has 38 years' experience of working in the UK energy industry, also serving for 8 years as National Grid's Networks Operations Director, where he was responsible for the real-time running of Britain's energy networks, ensuring that the country's electricity and gas needs were met 24 hours a day, 7 days a week. During this period, he also worked closely with industry and Government to implement some of the most radical changes to Britain's electricity system since privatisation, which have led to Britain's position as a world-leading producer of renewable electricity, including through offshore wind.



Philipp Lukas, CEO, Future Biogas

Since 2008 Future Biogas has grown to over 120 employees dealing with all aspects of AD operations, from feedstock acquisition and biology through operations and maintenance, to all aspects of financial, regulatory and sustainability reporting. It has developed, built and operates 11 plants across East Anglia and Midlands, and now also takes on turnarounds and distressed assets. Philipp's background is in law and renewables, having worked for corporate firm Travers Smith in the city and run a cellulosic ethanol developer. He has an LLB from Kings College London and an MBA from Imperial College. He is a board member of the European Biogas Association (EBA).



Benjamin Fillion, Head of Sales, Air Liquide Biogas Solutions Europe

Ben is currently Head of Sales for UK division of Air Liquide Biogas Solution Europe. He joined Air Liquide in 2012 as Development Engineer involved with membrane based Biogas Upgrading Units. In 2014, he became Business Developer, which led to the construction of the first six plants owned by Air Liquide. He then held various positions, notably as Project Team Manager and more recently Head of Operations in the UK until March 2021. Ben Fillion's background is in engineering.



Kiara Zennaro, Head of Heat - Green Gas Lead, REA

Kiara joined the Association for Renewable Energy and Clean Technology (REA) in 2007. She heads the heat team of the REA, overseeing the activities of the REA focused on the challenge of decarbonising heat. She also leads the Green Gas Forum of the REA, which has represented the biogas industry in the UK since 2004, playing a major role in delivering the expansion of this sector in the UK. More recently she has set up a working group especially dedicated to clean hydrogen and its uses, aimed at moving the hydrogen agenda forward within Government. Her previous role involved providing technical support in a wide range of subjects, including operational and regulatory issues relevant to biowaste treatments.



David Redman, Tractor Product Specialist, New Holland

David has worked in the agricultural industry for 35 years, 13 of which have been with CNH Industrial. He is one of New Holland's European product specialists covering farm tractors from 100-400hp. In this role he represents and promotes the needs of customers and supports dealers to provide the correct solutions at point of sale. David has contributed his knowledge and experience to the development of the T6 Methane tractor and is a key ambassador in bringing this exciting product to market.



John Baldwin, Managing Director, CNG Services Ltd

25 years in fossil gas (BGE&P, Transco), became renewable in 2008 with focus on biomethane injection into the gas grid. CNG Services has worked on around 80 of the biomethane projects completed in GB and now has particular focus in taking Bio-CNG made from manures out of the gas grid to fuel trucks. By using manures as the feedstock and capturing all the CO2 from the biogas, each project aims for 200% GHG reduction compared to diesel. Quiet and very low NOX. The company was winner of Queen's Award for Enterprise for Innovation in Biomethane in 2016. Director of CNG Fuels Ltd that is building a national network of Bio-CNG stations. Director of Barrow Shipping which is GB's leading shipper for biomethane and only ships renewable gas.

OUR SPEAKERS



Patrick Serfass, Executive Director, American Biogas Council

Patrick is Executive Director of the American Biogas Council. Patrick has led the American Biogas Council since he helped create it in 2010. The American Biogas Council is the voice of the US biogas industry representing over 275 organizations and has a network of more than 17,000 stakeholders in the biogas industry. All are dedicated to maximizing the amount of organic material that's recycled into biogas and soil products. Beyond biogas, Patrick has more than 20 years' experience growing clean energy industries, like solar, hydrogen, biochar, and woody biomass, through the company that manages the ABC, Technology Transition Corporation. In Patrick's early career, he was a physical oceanographer, architectural engineer and designed unmanned deep ocean vehicles. Patrick holds a Bachelor of Arts in Engineering Sciences from Dartmouth College.



Angela Bywater, Environmental Biotechnology Network Co-Manager, University of Southampton

Angela has spent 20 years working in AD, with involvement in a number of projects/publications for Welsh government, the Royal Agricultural Society of England, the International Energy Agency and academic journals. She is joint manager of the BBSRC Environmental Biotechnology Network (formerly AD Network), a research project which provides funding and links to more than 1000 academics and industry members. She also is co-owned Methanogen UK who manufactured small farm and micro-scale anaerobic digesters. Projects includes LEAP's micro-AD project near London's Kings' Cross, a 'dog do gas lamp digester' and a number of other community projects. She has run her own household digester for 10 years and is part of the University's 'Circular Bioeconomy' team, demonstrating a solar-powered mobile digester and science activities to thousands of people.



Richard Gueterbock, Director, Food Chains

Richard has spent 15 years in the biogas sector - in marketing, sales and business development roles. Working across the agri-food, bio-economy and bio-energy sectors, he is a respected advocate of the role of biogas in moving to a more circular, low carbon economy. He championed on-site digestion for industrial sites, (also farm and community deployment) and has been involved in bio-energy policy formulation. Formerly Sales and Marketing Director of Clearfleau, British supplier of on-site, factory digestion systems for food and beverage processing residues he recently helped set up OCBM to service the market for CBM as an HGV fuel. As a Trustee of the Royal Agricultural Society of England (RASE) from 2009 to 2015, he commissioned reports on Farm Scale AD and The Farm as an Energy Source. He is a Fellow of the Royal Agricultural Societies (FRAGS).



Lotte Holmberg Rasmussen, R&D Project Manager, Centrica

Lotte Holmberg Rasmussen is an M.Sc. (Eng.) in energy planning and the R&D manager of Centrica Energy Trading (CET) in Aalborg, Denmark. CET is a balance responsible party (BRP) and trades electricity, gas and GOs in Europa. For years Lotte has worked with projects related to the future energy system and flexibility on the consumption side, for example PtX which she has been involved in since 2011. CET is the Balance Responsible Party of the two first PtX plants in Denmark having been approved to participate in different electricity markets.



Gloria Esposito, Head of Sustainability, Zemo Partnership

Gloria leads Zemo Partnership's work streams on renewable fuels and life cycle analysis. She is an environmental scientist with expertise in policy research and development related to zero emission vehicles and sustainable low carbon fuels. Gloria has influenced a variety of national policies including the Low Emission Bus Grant, Car Fuel Economy Labelling Scheme and Clean Vehicle Retrofit Accreditation Scheme. She has been involved in producing low carbon fuel and technology roadmaps, developing guidance for fleets operators and creating initiatives to encourage the adoption of renewable fuels including Zemo's Renewable Fuels Assurance Scheme.

OUR EXHIBITORS



BRIGHT
BIOMETHANE



AERZEN

CPL

ACTIVATED CARBONS



APROVIS

APROVIS. Better Performance.

Cadent

Your Gas Network

AIRCO
PROCESS TECHNOLOGY

ORBITAL
GAS SYSTEMS



EnviTec Biogas



**UM
OE**

ADVANCED
COMPOSITES



GreenGas

CERTIFICATION SCHEME



Environmental Technology



**Birch
Solutions**



**FOX HILL
PROJECTS**



**GREENLANE
BIOGAS™**



agriKomp

UK

Pricing:

Delegate Bookings:

REA Member - £125+VAT

GGCS Member - £125+VAT

REA Non-Member - £175+VAT

To book your delegate place
visit: www.r-e-a.net/events

For Exhibitor/Sponsorship Details

Contact:

julie.lazenby@cngservices.co.uk

lauren.hamer@cngservices.co.uk

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

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 06.09.2021 - Subject to change