

## **REA Event: The Hydrogen Economy**

Monday, 28<sup>th</sup> November, EY More London Riverside SE1

Sponsored by:



Time	Talk	Speaker(s)
08:45 – 9:15	<b>Refreshments and Registration</b>	
09:15 – 09:25	Welcome and introductions	Nina Skorupska, REA's CEO
09:25 – 09:35	Address from relevant Minister	Graham Stuart MP, Minister for Climate, Department for Business, Energy and Industrial Strategy – <b>invited</b>
09:35 – 09:55	Keynote speech Hydrogen's key role in the transition to a cleaner world	Jane Toogood, Chief Executive, Catalyst Technologies, Johnson Matthey and UK Government's first Hydrogen Champion hydrogen

### **Supporting the growth of hydrogen production – chaired by William Mezzullo, REA Green Gas and Hydrogen Forum Chair and Head of Hydrogen, Centrica**

Time	Talk	Speaker(s)
9:55 – 10:15	Government policy to support the hydrogen economy	Alison Conboy, BEIS, Deputy Director, Hydrogen Production
10:15 – 10:30	Positioning for growth in green hydrogen	Charles Purkess, Business Development Manager, ITM Power
10:30 – 10:45	How do we grow the UK hydrogen industry at a speed and scale that makes a difference?	Matthew Knight, Head of Market and Government Affairs, Siemens Energy
10:45 – 10:55	<b>Q&amp;A</b>	

## What's next for hydrogen blending into the gas network

This session will explore the role of blending to support hydrogen investment and the scale up of the hydrogen sector in the transition to a 100% grid. It will look at the state of art of blending, the regulatory, economic, policy and customer related barriers that need to be overcome to enable blending into the gas distribution and transmission systems and discuss the next steps to enable blending.

Time	Talk	Speaker(s)
10:55 – 11:10	The full hydrogen heating landscape, from blending to conversion	Tommy Isaac, Head of Hydrogen Research, Progressive Energy Limited
11:10 – 11:25	Coffee Break	
11:25 – 12:05	Panel discussion on hydrogen blending	<ul style="list-style-type: none"> <li>William Mezzullo, Head of Hydrogen, Centrica: moderator</li> <li>Tommy Isaac, Head of Hydrogen Research, Progressive Energy Limited</li> <li>Tony Green, Hydrogen Director, Gas Transmission &amp; Metering, National Grid</li> <li>Matthew Hindle, Head of Net Zero, Wales &amp; West Utilities</li> <li>Vicky Robinson, Policy Delivery Manager, Hydrogen Economy, BEIS</li> </ul>

## Regional approaches to the hydrogen economy – chaired by Mark Bartholomew and Sushma Maharaj, Energy Partners, Shakespeare Martineau

This session will explore how regional differences mean the production of low carbon energy will vary across the UK and showcase of different projects across the UK.

Time	Talk	Speaker(s)
12:00 – 12:15	Mapping tools and the importance of regional approaches to identify the best solutions at the local level	Andrew Holyland, General Manager, Net Zero East & Hydrogen East
12:15 – 12:40	Cumbrian's first hydrogen hub and decarbonising industries with hydrogen	Eric Adams, Projects Director, Carlton Power Limited and Oriol Margó, Sustainability Transformation Leader for

		Kimberly-Clark in Europe, Middle East and Africa (EMEA)
<b>12:40 – 12:55</b>	Hydrogen conversion and heat village trial	Angela Needle, Director of Strategy, Cadent
<b>12:55 – 13:10</b>	Establish an 'at scale' hydrogen economy in the Humber	Ian Livingston, Project Manager, Equinor
<b>13:10 – 13:20</b>	<b>Q&amp;A</b>	
<b>13:20 – 14:20</b>	<b>Lunch</b>	

**System benefits of hydrogen – chaired by Vivienne Geard, Assistant Director, Ernst & Young LLP**

This session will be about the role of hydrogen to manage the volatility of the energy market, allow integration of renewables, enhance energy system flexibility, decarbonise power and manage inter-seasonality.

<b>Time</b>	<b>Talk</b>	<b>Speaker(s)</b>
<b>14:20 – 14:35</b>	Experiences of optimising electrolyzers in the Nordics	Speaker from Centrica, name TBC
<b>14:35 – 14:50</b>	Long duration, large scale energy storage and its role to manage renewables and help balance supply with demand	Michael Wagner, Special Advisor – Hydrogen, Afry
<b>14:50 – 15:05</b>	Case studies on reducing curtailment, demonstrating additionality, and turning projects viable	Julius Baghdadi, CCO and co-founder, Octopus Hydrogen
<b>15:05 – 15:25</b>	Building Energy Resilience and Security in the UK: Opportunities and Challenges of Geological Hydrogen Storage and Integration in Energy Networks	Zeynep Kurban, Technical Director (EMEA), GHD
<b>15:25 – 15:35</b>	<b>Q&amp;A</b>	

## **Buying hydrogen today and building end-user confidence in green claims for hydrogen – chair TBC**

This shorter session will explore the practicalities of buying hydrogen, commercial/contractual arrangements being developed to support purchase of hydrogen. It will also look at robust systems in place to support green claims (guarantees of origin) and the associated commercial opportunities.

<b>Time</b>	<b>Talk</b>	<b>Speaker(s)</b>
<b>15:35 – 15:50</b>	Guarantees of Origin for Hydrogen	Jesse Scharf, Director of Green Gas Certification Scheme
<b>15:50 – 16:05</b>	Practicalities and commercial opportunities from buying hydrogen	Jean-Pascal Boutin, Partner and Anas Papazachariou, Manager, Ernst & Young LLP
<b>16:05 – 16:15</b>	<b>Q&amp;A</b>	

## **Hydrogen for mobility – chaired by Simon Collier, Partner, Ernst & Young LLP**

This session will look at the Government policy and schemes to support hydrogen use in the mobility sector as well as the practicalities of developing, building and rolling out hydrogen refuelling stations in the UK. The panel will explore the state of art of hydrogen use in the mobility sector and what needs to happen to unlock its full potential.

<b>Time</b>	<b>Talk</b>	<b>Speaker(s)</b>
<b>16:15 – 16:30</b>	Government support and rules for hydrogen in the transport sector	Speaker from DfT, name TBC
<b>16:30 – 16:45</b>	Building refuelling stations in the UK – Case studies, challenges and opportunities	James Cross, Commercial Director, Motive
<b>16:45 – 17@30</b>	Panel discussion on hydrogen mobility	<ul style="list-style-type: none"> <li>• Amanda Lyne, Managing Director, ULEMCo Ltd</li> <li>• James Cross, Commercial Director, Motive</li> <li>• Speaker from Ryze Hydrogen, name TBC</li> <li>• Speaker from Tevva, name TBC</li> </ul>
<b>17:30 – 17:45</b>	<b>Event close from Nina Skorupska CBE, REA's CEO and William Mezzullo, REA Green Gas and Hydrogen Forum Chair</b>	