

Zero Carbon Economy – A Realistic Target?

Institution of
Power Engineers

A series of webinars hosted by IPowerE

Due to the current restrictions of Covid-19 our planned seminar on this subject has been replaced with a series of three webinars as detailed below. These explore the latest developments in this highly topical area.

Wednesdays 10.00am to Noon
16th September 2020, 21st October 2020 and
18th November 2020

16th September 2020

First UK “Blue” Hydrogen production projects with improved reforming and carbon capture technology

David Parkin, Director, Progressive Energy
“Overview of the HyNet NW project and progress to date”

Progressive Energy is the lead project developer for the HyNet hydrogen / CCS scheme in the North West. This includes a Low Carbon Hydrogen production facility at Stanlow Refinery producing H₂ at scale with high efficiency and high carbon capture rate. Progressive is also leading the HyDeploy hydrogen blending trial and a further project to conduct live H₂ fuelling trials at a cluster of local large industrial users.

David Parkin is Project Director for HyNet. Prior to joining Progressive Energy in his current role, he was Network Strategy Director for National Grid Gas (subsequently Cadent), where he led the formation of the Future of Gas programme which first set out a strategy for decarbonisation of heat and led to the development of numerous projects, including the HyDeploy and HyNet hydrogen projects. David spent the early part of his career at BAE Systems / Airbus, before moving to Atkins in 2008, where he became Director of Power and Renewables. David holds degrees from Cambridge, Warwick and MIT.

Sam French, Senior Business Development Manager, Johnson Matthey
“J M Technology approach for Hynet NW and similar “blue” H2 projects at St Fergus and the Isle of Grain”

Sam is leading efforts at Johnson Matthey to develop their role within the new market of Low Carbon Hydrogen.

Hydrogen will be the key gas used in multiple sectors, such as transport, industry, domestic heating and dispatchable power. The key element now is to deploy technology at scale so that we can learn and understand the systems cost.

The Stanlow facility will deliver low cost, low carbon hydrogen at high efficiency, and a very high carbon capture rate – over 95% of the carbon used in the process will be captured and stored, thanks to the pioneering hydrogen production technology.

21st October 2020

Professor Gordon A Hughes

"The Engineering Reality of Net Zero 2050"

Professor Hughes is a former Professor of Economics at the University of Edinburgh, and was a senior adviser on energy and environmental policy at the World Bank until 2001.

Luke Bannar-Martin, Centrica Net Zero Team

"Centrica's Net Zero Toolkit"

Luke is an energy expert with a career spanning energy engineering, energy markets and commodities, energy consulting and low carbon technologies. Luke is a Product Manager for Centrica Business Solutions, focused on developing low carbon solutions to enable businesses to achieve their decarbonisation targets, such as commercial Heat Pumps.

18th November 2020

AFRY (Poyry) (Speaker TBC)

"Markets View on the delivery of Net Zero"

Pöyry Management Consulting provides leading-edge consulting and advisory services covering the whole energy value chain and are leading provider of strategic, commercial, regulatory and policy advice to Europe's energy markets.

Mr. Ville Rimali, Director, Growth & Development and Tony Meski, Power System Analyst, Wärtsilä Energy Business.

"Energy Optimised"

Wärtsilä is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers.

For more details of these events please visit www.ipowere.org

These are free to attend events for IPowerE members and non-members. However registration is required - to register visit IPowerE website and follow the link on the homepage.

We believe we have lined up some first class presenters to cover various aspects of this vital subject. Should the speakers and topics have triggered any questions in your mind, please email to enquiries@ipowere.org.

However "live" questions during the Q&A sessions are also possible and very much welcomed.