JUNE 28TH DAY ONE

08:30 - EVENT OPENS

The opening of Foresight NetZero Live will include a brisk registration upon entry, coffee and breakfast bites and access to the exhibition

09:30 –> 09:45
Refinery of the Future

CHRIS GILBERT
Manager, Humber Decarbonisation Projects
Phillips 66

09:45 –> 10:00
H2H Saltend and the East Coast Cluster

DAN SADLER
Vice President - UK Low Carbon Solutions
Equinor

10:00 –> 10:15
Creating a NetZero Industrial Cluster

CHRIS ROWELL
Head of NetZero
Tees Valley Combined Authority

10:15 –> 10:30
Carbon Capture with least OPEX and CAPEX

EVA ANDERSSON
Senior Refinery Process Specialist
Alfa Laval

10:30–> 11:00
PANEL DISCUSSION
Creating A Ripe Environment for The UK NetZero Industry To Flourish

1. As we envision the Refinery of the Future, what technological advancements and process innovations are key to achieving greater energy efficiency, reduced carbon emissions, and overall sustainability? How can refineries adapt and transform their operations to embrace renewable energy sources, circular economy principles, and advanced digital technologies, while maintaining competitiveness and ensuring a smooth transition towards a low-carbon energy landscape?

2. How can the H2H Saltend project and the broader East Coast Cluster serve as a model for successful integration of hydrogen technologies across industries? What are the key collaborative strategies, infrastructure investments, and policy frameworks required to establish a thriving hydrogen ecosystem that enables decarbonization in the region while fostering economic growth and job creation?

3. What are the critical factors and collaborative approaches necessary for successfully creating a NetZero industrial cluster, where multiple industries within a specific geographic region work together to achieve ambitious carbon reduction targets? How can stakeholders from various sectors collaborate effectively, share resources, and leverage technological advancements to accelerate the transition to a sustainable and carbon-neutral industrial ecosystem?

4. When implementing carbon capture technologies, what strategies and innovations can be employed to minimize both operational expenditure (OPEX) and capital expenditure (CAPEX), ensuring that carbon capture becomes economically viable and scalable? How can industry leaders, policymakers, and technology providers collaborate to drive down costs, streamline processes, and accelerate the adoption of cost-effective carbon capture solutions across various industries, ultimately supporting global decarbonization efforts?

5. As the Director of the Energy Intensive Users Group, how can collaboration between energy-intensive industries and policymakers effectively address the dual challenge of reducing carbon emissions while ensuring the competitiveness and viability of these industries? What policy measures and industry initiatives should be prioritized to support the energy transition while maintaining the sustainability and growth of energy-intensive sectors?

CHRIS GILBERT, Manager, Humber Decarbonisation Projects - Phillips 66
DAN SADLER, Vice President - UK Low Carbon Solutions - Equinor
CHRIS ROWELL, Clean Growth and Innovation Lead - TVCA
EVA ANDERSSON, Senior Refinery Process Specialist - Alfa Laval
ARJAN GEVEKE, Director - Energy Intensive Users Group

11:00 - BREAK
Tea, Coffee and Networking in the Exhibition Hall

11:30 –> 11:45
Viking CCS: Transforming the Humber into a NetZero SuperPlace

ADAM NEWTON
Senior Vice President for Government and External Affairs
Harbour Energy

11:45 –> 12:00
Enabling Hydrogen and NetZero across the UK

NOELLE JUPILLE
Business Development - Hydrogen
bp

12:00 –> 12:15
Reconfigure or Replace: The Asset Dilemma to Achieve Net Zero

JEFF PARR-MAY
Uniper

GUY PHILLIPS
Uniper

12:15 –> 12:30
Overcoming the Challenges of Electrolytic Hydrogen Production at Scale

CHRIS SMITH
Founder and CEO
Meld Energy

12:30–> 13:00
PANEL DISCUSSION
Exploring the Latest Carbon Removal Strategy, Projects and Technology

1. How can the Viking CCS project transform the Humber region into a pioneering NetZero SuperPlace? What are the potential economic, environmental, and social benefits that can be achieved through the successful implementation of large-scale carbon capture and storage technology in the Humber area?

2. What are the key challenges and opportunities in enabling hydrogen and achieving a NetZero future across the entire United Kingdom? How can industry leaders, policymakers, and stakeholders collaborate to overcome these challenges and drive the widespread adoption of hydrogen as a viable and sustainable energy source across various sectors of the economy?

3. When considering the transition to Net Zero, what factors should be considered when deciding whether to reconfigure existing assets or replace them with new, more sustainable alternatives? How can companies strike a balance between maximizing the value of existing assets and embracing innovative technologies and infrastructure that align with the Net Zero objectives?

4. What are the primary challenges that need to be addressed to enable electrolytic hydrogen production at scale, and how can industry leaders, researchers, and policymakers collaborate to overcome these challenges? Additionally, what strategies and investments are required to ensure the cost-effectiveness, efficiency, and sustainability of large-scale electrolysis for hydrogen production, paving the way for its widespread adoption as a key component of the clean energy transition?

ADAM NEWTON, Senior Vice President for Government and External Affairs - Harbour Energy
NOELLE JUPILLE, Business Development - Hydrogen - bp
GUY PHILLIPS - Uniper
CHRIS SMITH, CEO and Founder - Meld Energy

13:00 - LUNCH
Lunch and refreshments in the exhibition hall

14:00 –> 14:15
Hydrogen Production for the HyNet Cluster - a Northwest Perspective

JOSEPH SEIFERT
CEO
Vertex Hydrogen

14:15 –> 14:30
Hydrogen Fuel Switch and Storage for Power Generation

SUE BEVERIDGE
Head of Hydrogen Project Engineering
SSE Thermal

14:30 –> 14:45
Planning for the Hydrogen Roll-Out for Heat

SILVIA SIMON
Head of Hydrogen
Energy Networks Association (ENA)

14:45 –> 15:00
The Role and Practical Implications of Hydrogen Supply to Balance Renewable Energy Systems

JORGE ARIZMENDI-SANCHEZ
Energy Transition Technologies Consultant
Kent PLC

15:00–> 15:30
PANEL DISCUSSION
Hydrogen Production for Power and Energy Transition

1. From a Northwest perspective, what are the key opportunities and challenges in scaling up hydrogen production for the HyNet Cluster? How can stakeholders in the region collaborate to optimize the infrastructure, investment, and policy frameworks required to establish a robust and

sustainable hydrogen ecosystem, ensuring a smooth transition to a hydrogen-based economy while maximizing the regional socio-economic benefits?

2. When it comes to hydrogen fuel switch and storage for power generation, what are the primary technological advancements and infrastructure requirements needed to enable a seamless integration of hydrogen into the existing power generation systems? How can industry leaders, researchers, and policymakers collaborate to overcome challenges related to hydrogen storage, distribution, and utilization, and unlock the full potential of hydrogen as a clean and reliable energy source for power generation?

3. In planning for the roll-out of hydrogen for heat, what are the key considerations and strategies necessary to ensure a smooth and successful transition from traditional heating systems to hydrogen-based solutions? How can industry experts, policymakers, and consumers collaborate to address the challenges related to infrastructure development, safety standards, consumer acceptance, and cost-effectiveness, ultimately accelerating the adoption of hydrogen as a viable and sustainable alternative for heating purposes?

4. As renewable energy systems continue to expand, what role does hydrogen supply play in balancing the intermittent nature of renewable energy sources, and what are the practical implications of integrating hydrogen into the energy mix? How can the industry collaborate with renewable energy developers, grid operators, and policymakers to develop effective strategies, infrastructure, and regulatory frameworks that optimize the use of hydrogen for energy storage, grid stability, and overall system flexibility?

JOSEPH SEIFERT, CEO - Vertex Hydrogen
SUE BEVERIDGE, Head of Hydrogen Project Engineering - SSE Thermal
SILVIA SIMON, Head of Hydrogen - ENA
JORGE ARIZMENDI-SANCHEZ, Energy Transition Technologies Consultant - Kent PLC

15:30 - BREAK
Tea, Coffee and Networking in the Exhibition Hall

16:00 –> 16:15
Nuclear and 2050 Sustainability – Pathways to Electric and Non-Electric Decarbonisation

CAROLINE LONGMAN
Director
Equilibrium

16:15 –> 16:30
Sustainable Micro Nuclear Technology to Power Industry

LEON FLEXMAN
Corporate Affairs Director (UK)

X Energy

16:30 –> 16:45
Nuclear Supply Chain Manufacturing Opportunities

NEIL MURRAY
Business Development Manager
Nuclear AMRC

16:45 –> 17:30
PANEL DISCUSSION
Can Nuclear meet the Challenge of Decarbonising Non-Electric Energy Use?

1. In the context of achieving sustainability goals by 2050, how can nuclear power contribute to the decarbonization efforts of both the electric and non-electric sectors? What are the potential pathways, challenges, and opportunities associated with integrating nuclear energy into a comprehensive decarbonization strategy, considering factors such as technology advancements, public perception, policy frameworks, and international cooperation?

2. How can sustainable micro nuclear technology play a significant role in powering industries while simultaneously addressing environmental concerns and achieving long-term sustainability goals? What are the key technological advancements, regulatory frameworks, and collaboration strategies necessary to foster the safe, efficient, and widespread adoption of micro nuclear reactors as a clean energy solution for industrial applications?

3. What are the significant manufacturing opportunities within the nuclear supply chain, and how can industry leaders, policymakers, and educational institutions collaborate to maximize the economic potential and job creation associated with the nuclear sector? How can we foster innovation, develop skilled workforce capabilities, and ensure a robust and competitive nuclear supply chain that supports the construction, operation, and maintenance of nuclear power plants, while adhering to stringent safety and regulatory requirements?

CAROLINE LONGMAN, Director - Equilibrium
LEON FLEXMAN, Corporate Affairs Director (UK) - X Energy
NEIL MURRAY, Business Development Manager - Nuclear AMRC

17:30 - EVENT
Evening networking event - drinks and nibbles

20:00 - End of day one of Foresight NetZero Live

JUNE 29TH DAY TWO

08:30 - EVENT OPENS The opening of Foresight NetZero Live will include a brisk registration upon entry, coffee and breakfast bites and access to the exhibition
09:30 –> 09:45 **Sustainability at Saltend Chemicals Park** PATRICK POGUE Group Director Growth and Innovation PX Limited
09:45 –> 10:00 **The Water Dilemma** COLIN ROBINSON Business manager, UK & Ireland Evides
10:00 –> 10:15 **Equinor's Decarbonisation Roadmaps** IAN LIVINGSTON Project Manager - Low Carbon Solutions Equinor
10:15 –> 10:30 **Enabling a NetZero Future with Geological Gas Storage** CHRIS MILES Development Lead - Hydrogen Centrica Storage
10:30–> 11:00 **PANEL DISCUSSION** **Industrial Energy Transition: Challenges, Insights and Enablers** 1. How can Saltend Chemicals Park effectively integrate sustainability practices and initiatives into its operations, and what are the key strategies, partnerships, and innovations necessary to achieve long-term environmental, social, and economic sustainability goals? How can Saltend Chemicals Park serve as a model for other industrial parks in terms of implementing sustainable practices,

reducing emissions, promoting circular economy principles, and fostering community engagement?

2. As industries strive towards decarbonization, how can the inherent challenges surrounding water usage, conservation, and management be effectively addressed? What innovative technologies, best practices, and collaborative approaches should industries adopt to minimize water consumption, optimize water treatment and reuse, and ensure a sustainable balance between industrial processes and water resource preservation, ultimately supporting both decarbonization and water conservation goals?

3. Equinor has set ambitious decarbonization roadmaps to reduce emissions and transition towards a low-carbon energy future. What are the key strategies, technologies, and collaborations required for Equinor to successfully achieve its decarbonization goals? How can Equinor's decarbonization roadmaps inspire and guide other energy companies in their transition towards sustainable practices, while ensuring long-term competitiveness and value creation?

4. Geological gas storage is a critical component in enabling a NetZero future. How can the development and utilization of geological gas storage facilities be accelerated to support the integration of intermittent renewable energy sources, ensure energy security, and facilitate the transition to a decarbonized energy system? What are the necessary regulatory frameworks, investment mechanisms, and technological advancements required to optimize the efficiency, safety, and scalability of geological gas storage in achieving global NetZero objectives?

PATRICK POGUE, Group Director Growth and Innovation - PX Limited
COLIN ROBINSON, Business manager, UK & Ireland - Evides
IAN LIVINGSTON, Project Manager - Low Carbon Solutions – Equinor
CHRIS MILES, Development Lead - Hydrogen - Centrica Storage

11:00 - BREAK
Tea, Coffee and Networking in the Exhibition Hall

11:30 –> 11:45
Firing up the Foundation Industries towards NetZero

ROB IRESON
Innovation and Partnerships Manager
Glass Futures

11:45 –> 12:00
Decarbonisation Roadmaps for Multiple Construction Products

KRISTIN MCCARTHY
Director Of Sustainability

Aggregate Industries

12:00 –> 12:15
Demonstrating Hydrogen use in Industry

MIKE CAIRNS-TERRY
Principal Engineer
Progressive Energy

12:15 –> 12:30
Digital Tools for Decarbonisation

JULIE GILMOUR
Industrial Decarbonisation Lead
Atkins

12:30 –> 12:45
Progress Made since the Mission Zero Report

CHRIS SKIDMORE MP
Mission Zero Coalition
Conservative Party

12:45 –> 13:15
PANEL DISCUSSION
Industrial Energy Transition: Challenges, Insights and Enablers

1. In firing up the foundation industries towards achieving NetZero emissions, what are the key technological advancements, policy frameworks, and collaborative efforts required to decarbonize these industries without compromising their competitiveness and economic viability? How can stakeholders across academia, industry, and government work together to drive innovation, implement sustainable practices, and overcome the unique challenges faced by foundation industries in their journey towards a NetZero future?

2. Decarbonizing multiple construction products is crucial for achieving sustainable and low-carbon building practices. What are the key considerations, strategies, and collaboration opportunities in developing decarbonization roadmaps for construction products such as cement, steel, and insulation materials? How can industry leaders, researchers, and policymakers work together to accelerate the adoption of low-carbon technologies, sustainable sourcing practices, and circular economy principles in the construction sector, while ensuring cost-effectiveness and maintaining high-quality building standards?

3. Demonstrating hydrogen use in industry is vital for showcasing its potential as a clean energy solution. What are the most impactful ways to showcase successful hydrogen applications in various industrial sectors, such as manufacturing, transportation, and chemical production? How

can industry leaders, technology providers, and policymakers collaborate to create robust demonstration projects that highlight the feasibility, economic viability, and environmental benefits of hydrogen as a sustainable energy source, driving widespread adoption and investment in hydrogen technologies?

4. As an advocate for industrial decarbonization, how do you envision the role of government in supporting and accelerating the transition to a low-carbon industrial sector? What policy measures, funding mechanisms, and collaborative approaches are necessary to drive innovation, incentivize sustainable practices, and ensure a just and equitable transition for industries heavily reliant on fossil fuels?

ROB IRESON, Innovation and Partnerships Manager - Glass Futures
KRISTIN MCCARTHY, Director Of Sustainability - Aggregate Industries
MIKE CAIRNS-TERRY, Project Engineer - Progressive Energy
CHRIS SKIDMORE MP, Mission Zero Coalition - Conservative Party

13:15 - LUNCH
Lunch and refreshments in the exhibition hall

14:00 –> 14:15
Delivering a CCUS Projects and Hydrogen Financial Uncertainties

ROB HUDSON
Head of Energy & Carbon Capture
Tata Chemicals

14:15 –> 14:30
CCS Energy from Waste

JAMES GRAY
Technical Manager
Suez

14:30 –> 14:45
Hydrogen-to-power economics- build a CCGT with CCUS, or a hydrogen turbine in GB?

ANISE GANBOLD
Head of Research, Global Energy Markets and Hydrogen
Aurora Energy Research

14:45 –> 15:00
Hydrogen Supply to Support Industrial Decarbonisation

MOHIT AGRAWAL
Head of Hydrogen, Business Development

SSE Thermal

15:00 –> 15:30
PANEL DISCUSSION
Decarbonisation Strategies and Innovation in the Energy Sector

1. When it comes to delivering CCUS projects and addressing financial uncertainties surrounding hydrogen, what are the key challenges and potential solutions in securing adequate funding, attracting investment, and de-risking projects? How can governments, financial institutions, and industry stakeholders collaborate to establish stable and transparent financial frameworks that support the development and deployment of CCUS projects and hydrogen infrastructure, fostering investor confidence and enabling the scaling-up of these critical technologies for achieving decarbonization goals?

2. How can the integration of CCS (Carbon Capture and Storage) technologies in energy-from-waste processes significantly contribute to waste management, while simultaneously enabling the generation of low-carbon energy? What are the key technical, regulatory, and financial considerations that need to be addressed to accelerate the deployment of CCS in energy-from-waste facilities, and how can industry leaders, policymakers, and environmental advocates collaborate to drive the adoption of this sustainable and climate-friendly approach?

3. When considering the economics of hydrogen-to-power, what are the critical factors that should be weighed in deciding between building a combined cycle gas turbine (CCGT) with carbon capture, utilization, and storage (CCUS) capabilities, or investing in hydrogen turbines for power generation in the context of Great Britain? How can stakeholders assess the cost-effectiveness, scalability, and long-term sustainability of these options, taking into account factors such as hydrogen production and storage costs, infrastructure requirements, grid integration, and overall energy system flexibility, in order to make informed decisions that align with the goals of decarbonization and energy transition?

4. As the demand for hydrogen in industrial decarbonization grows, what are the key challenges and opportunities in developing a robust hydrogen supply chain? How can industry players, policymakers, and technology providers collaborate to ensure a reliable, affordable, and sustainable hydrogen supply for various industrial sectors? In the context of industrial decarbonization, what role does hydrogen play in replacing or complementing existing fossil fuel-based processes? How can the integration of hydrogen in industrial processes lead to emissions reductions and improved overall sustainability?

ROB HUDSON, Head of Energy & Carbon Capture - Tata Chemicals
JAMES GRAY, Technical Manager - Suez
ANISE GANBOLD, Head of Research - Aurora Energy Research
MOHIT AGRAWAL, Business Development - Hydrogen - SSE Thermal

15:30 - BREAK

Tea, Coffee and Networking in the Exhibition Hall

16:00 –> 16:15
Upcoming Hydrogen Allocation Rounds

LISA PEARCE
Hydrogen and Industrial Carbon Capture
Department for Energy Security and NetZero

16:15 –> 16:30
Reaching Sustainability Targets: Harnessing an Arsenal of NetZero Strategies

JOSEPH MARSH
Sustainability Business Partner - Operations
DS Smith

16:30 –> 16:45
Planning Projects for Energy Transition

ROSS LOWRIE
Environment Senior Advisor
Environment Agency

16:45 –> 17:00
The Role of Heat Pumps with Sustainable Industry

KEN KNEALE
Council Member
GSPHA

16:45 –> 17:30
PANEL DISCUSSION
Industrial Energy Transition: Challenges, Insights and Enablers

1. With the upcoming hydrogen allocation rounds, what are the key considerations and criteria that should be prioritized to ensure an effective and equitable allocation of hydrogen resources? How can the allocation process encourage innovation, competitiveness, and market growth while supporting the development of a diverse and sustainable hydrogen economy? Additionally, how can industry collaboration and engagement with stakeholders ensure that the allocation rounds align with national decarbonization goals, create value for both producers and consumers, and drive the transition to a hydrogen-based energy system?

2. When it comes to reaching sustainability targets, what are the most effective strategies and innovative approaches that industries can harness in their arsenal to achieve NetZero emissions? How can the integration of renewable energy, energy efficiency measures, circular economy

principles, carbon capture technologies, and other sustainable practices be combined and optimized to drive significant emissions reductions and accelerate the transition to a sustainable future? Moreover, how can collaboration between industry leaders, policymakers, and other stakeholders facilitate the adoption and scaling of these diverse NetZero strategies, ensuring the collective achievement of sustainability targets?

3. How can effective project planning support the successful implementation of energy transition initiatives, such as the integration of renewable energy, grid modernization, and electrification of various sectors? What are the key considerations, best practices, and collaborative approaches that should be employed in planning projects for energy transition to ensure timely execution, cost-effectiveness, stakeholder engagement, and the seamless integration of new technologies and infrastructure? Furthermore, how can governments, industry leaders, and communities work together to develop robust project pipelines, secure funding, and address potential challenges to accelerate the transition towards a sustainable and low-carbon energy future?

4. What is the role of heat pumps in facilitating sustainable practices within the industrial sector, and how can their widespread adoption contribute to achieving carbon neutrality and energy efficiency goals? What are the key challenges, opportunities, and best practices in integrating heat pump technologies across various industrial processes, such as heating, cooling, and process heat applications? Furthermore, how can industry stakeholders collaborate with technology providers, policymakers, and researchers to overcome barriers, ensure cost-effectiveness, and drive innovation in utilizing heat pumps as a sustainable heating and cooling solution for industries, promoting a greener and more resilient industrial landscape?

LISA PEARCE, Hydrogen and Industrial Carbon Capture – DESNZ
JOSEPH MARSH, Sustainability Business Partner - Operations - DS Smith
ROSS LOWRIE, Environment Senior Advisor - Environment Agency
KEN KNEALE - Council Member, GSPHA

17:30 - END
End of Foresight NetZero Live