Global Energy Transition Congress 2024

Conference Programme

1-3 July 2024 | Allianz MiCo – Milano Convention Centre, Milan, Italy



getcongress.com

Host Venue & Organisation

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get Global Energy Transition Congress and Exhibition

300+
Ministers and CEOs

2,000+
Delegates

70+
Conference sessions

50+
Hours of conference programming

200+
Participating Companies

16,000+
Visitors

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Effecting real change to realise the global energy transformation

The energy sector is the single biggest contributor to climate change, yet energy is vital to maintaining our way of life.

"Achieving an efficient and sustainable energy transition is one of the greatest challenges of our generation.

Unless we are able to move beyond pledges to the delivery of the projects and investments we need, we will not address the climate crisis.

This challenge can be met but it will require a renewed sense of purpose and effective partnerships between governments and the private sector. Governments need to show leadership, set the policy direction, and develop the frameworks to enable private investment to flow, whilst the private sector must come forward with the innovation and finance.

By building fresh partnerships between governments, the energy industry, and the major sectors within manufacturing, we can bring about measurable change. The Global Energy Transition Congress & Exhibition will bring together international partners to turn promises into actions.

This is why I am pleased to be speaking at the Global Energy Transition Congress & Exhibition."

RT Hon Tony Blair
Former Prime Minister of Great Britain and Northern Ireland



Global Energy Transition Strategic Conference speakers include:



Rt Hon Tony Blair
Former Prime Minister
Great Britain and Northern Ireland



Secretary John F. Kerry
68th U.S. Secretary of State
USA



Hon. Gilberto Pichetto Fratin
Minister of Environment and Energy Security
Italy



Hon. Adolfo Urso
Minister of Enterprises and Made In Italy
Italy



H.E. Tarek El Molla
Minister of Petroleum and Mineral Resources
Egypt



H.E. Musadik Malik
Minister of Energy
Pakistan



H.E. Parviz Shahbazov
Minister of Energy
Azerbaijan



H.E. Dr. Matthew Opoku Prempeh
Minister of Energy
Ghana



H.E. Carlos Joaquim Zacarias
Minister of Mineral Resources and Energy
Mozambique



Hon. Christopher Keikura Vandy
Chairman of the Parliamentary Energy Committee
Sierra Leone



Ambassador Patricia Espinosa
Formerly Executive Secretary
United Nations Framework Convention on Climate Change



James Appathurai
Deputy Assistant Secretary General for Innovation, Hybrid and Cyber
NATO



Dame Susan Rice DBE
Chair of Global Steering Group
GEFI



Hon. Willie L. Phillips
Chairman
FERC



Hon. Mark W. Menezes
President & CEO
United States Energy Agency



Katarzyna Piquette
Associate Deputy Minister - Intergovernmental Relations
Government of Alberta



Lord John Browne
Chairman
BeyondNetZero



Robert Spano
Partner and Co-Chair, Artificial Intelligence Practice Group
Gibson Dunn, Former President
European Court of Human Rights



Alessandro Spada
President
Assolombarda



Musabbeh Al Kaabi
Executive Director of Low Carbon Solutions & International Growth
ADNOC, Chairman of the Board
Mubadala Energy



Sanjiv Lamba
CEO
Linde



Lorenzo Simonelli
Chairman and CEO
Baker Hughes



Yoshinori Kanehana
Chairman
Kawasaki Heavy Industries Ltd



Alessandro Puliti
CEO and GM
Saipem



Javier Cavada
President and CEO – EMEA Region
Mitsubishi Power



Christina Verchere
CEO and President
OMV Petrom



Arnaud Pieton
CEO
Technip Energies



Alessandro Bernini
CEO
MAIRE



Dr. Philip Mshelbila
MD and CEO
Nigeria LNG Ltd



Håkan Agnevall
President and CEO
Wärtsilä Corporation

GET Strategic Conference speakers continued:



Marco Alvera
Co-founder and CEO
TES



Meiltje De Groot
CEO
Groningen Airport Eelde



Paddy Lowe
Founder and CEO
Zero Petroleum



Matt Chandler
President of LNG Market Development
ExxonMobil



Joseph McMonigle
Secretary General
International Energy Forum (IEF)



Tze San Koh
President, China Gas Marketing
ExxonMobil



Maurits van Tol
Chief Executive
Catalyst Technologies
Johnson Matthey



Simon Herbert
VP, EAME
ExxonMobil Low Carbon Solutions



Anish De
Global Head for Energy, Natural Resources, and Chemicals (ENRC)
KPMG



Maria Rita Galli
CEO
DESFA



John Gilley
CEO
Kent



Katrien Verlinden
President & CEO
Saipem America, Saipem Canada and Saimexicana



Benedikt Sobotka
CEO, ERG
Co-chair, Global Battery Alliance



Paddy Padmanathan
Co-Founder and Vice Chairman
Zhero



Martin Houston
Chairman
Tellurian



Aniruddha Sharma
Chair and CEO
Carbon Clean



Thorsten Herdan
CEO – EMEA
HIF Global



Simon Flowers
Chairman & Chief Analyst
Wood Mackenzie



Yao Li
Founder and CEO
SIA Energy



Alessandra Pasini
Co-Founder & President
Zhero



Charlotte Wolff-Bye
Chief Sustainability Officer
PETRONAS



Fabrizio Botta
CCO
Saipem



Dr. Zara Summers
Chief Science Officer
LanzaTech



Angelo Di Martino
Group Chief Strategy & Business Development Officer
Emirates Steel



Vikas Chhajer
Chief Sustainability and Strategy Officer
Gemini Corporation NV



Astrid Poupart-Lafarge
President - Energies and Chemicals Global Segment
Schneider Electric



Joachim Braun
President
ABB Process Industries



Aminuddin
President Director
PT Pertagas Niaga



Bryan Glover
Chief Technology and Growth Officer
Honeywell Energy and Sustainability Solutions



Yves Vercammen
Chief Corporate Officer
TES

GET Strategic Conference speakers continued:



Michele Fiorentino
VP Low-Carbon Solutions & Business Development
ADNOC



Frédéric Godemel
EVP, Power Systems & Services
Schneider Electric



Leonardo Brunori
EVP, Energy and Mobility, **RINA**
VP, **Assorisorse**



Richard Scott
EVP, Green Hydrogen and Ammonia Development
ACME Group



Ayesha Al Hammadi
SVP, Group People Performance & Total Rewards
ADNOC



Alessandro Bresciani
Senior VP, Climate Technology Solutions
Baker Hughes



Christophe Malaurie
Senior Vice-President De-Carbonization Solutions
Technip Energies



Jesus Cotobal
Senior VP – Financial Sponsors, Corporate & Investment Banking
BBVA



Xavier Rousseau
Director of Strategy
Snam
Steering Committee Member
European Hydrogen Backbone



Frederik Majkut
SVP - Carbon Solutions
SLB



Don Dimitrievich
Senior Managing Director and Portfolio Manager for Energy Infrastructure Credit
Nuveen



Halfdan Millang
CEO
ICA-Finance "Immediate Climate Action Finance"



Lucy Yu
CEO
Centre for Net Zero



Heather Buchanan
CEO and Co-Founder
Bankers for Net Zero



Rebecca Groen
CEO
Futuria Fuels



Stuart Broadley
CEO
Energy Industry Council (EIC)



Brian Nyangena
Co-Founder and CEO
Verst Carbon Limited



Hans Korteweg
Executive Director
COGEN World Coalition
Managing Director
Cogen Europe



Oliver Simpson
Executive VP & CCO
Excelerate Energy



David Reid
Chief Technology Officer & Chief Marketing Officer
NOV



Claudio Tassistro
MD of Energy – Europe
Mott MacDonald



Julien Perez
Managing Director
OGCI and OGDC



Duarte Ferreira
Managing Director – Global Decentralized Energy Generation
Greenvolt Group



Corey Karaka
MD, Investments
Global Energy Alliance for People and Planet



Olakunle Osobu
Deputy MD
Nigeria LNG Ltd



Tolu Oyekan
Managing Director & Partner
BCG



Isabel Ramirez
Chief Commercial Officer
ERG Africa



Daniel Dean
Chairman
International Bank for Nuclear Infrastructure – IO SAG



Assoc. Prof. Sudharma Yoonaidharma
Commissioner
Energy Regulatory Commission (ERC) of Thailand



Carmen Elena Padilla
Special Legal Counsel to the General Secretary
SICA

GET Strategic Conference speakers continued:



Sophie Depraz
Deputy Executive Director
Ipieca



Dr Morgan Bazilian
Director of the Payne Institute for Public Policy and Professor
Colorado School of Mines



Sara Karki
Senior VP,
Hydrogen Development Gasgrid Finland Oy, Co-Chair,
European Hydrogen Backbone



Demetrios Papathanasiou
Global Director for the Energy and Extractives Global Practice
The World Bank



Peter Jameson
Managing Director and Partner
BCG



Boyana Achovski
Secretary General
Gas Infrastructure Europe



Umberto de Pretto
Secretary General
IRU



Fabio Fontana
Chief Executive Officer
ZeroPoint DC
Chief Growth Officer
TONOMUS



Gavin Starks
Founder & CEO
Icebreaker One



Nooshin Behroyan
CEO
Paxon Energy & Infrastructure



Dr Juan Mario Michan
CEO
Daphne Technology



Stefano Buono
CEO
newcleo



Shehryar Omar
CEO
Petroleum Institute of Pakistan (PIP)



Michael Stirling
CEO and Chairman of Investment Board
Stirling Infrastructure Partners



Yelda Guven
VP, Policy and Advocacy – Europe, Africa and Middle East
ExxonMobil Low Carbon Solutions



Craig Hicks Jr.
Global Head of Sustainability
VP of Investor Relations & ESG
Excelerate Energy



Tim Yeo
Chairman
New Nuclear Watch Institute



Torben Nørgaard
Chief Technology Officer – Energy & Fuels
Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping



Helen Lamprell
Chief Legal and Transformation Officer
AVEVA



Mustafa Sahin
Executive Vice President of Investment and Trade
Edmonton Global



Sam R. Allen
President
International Geosynthetics Society



Sandra Melki
Group VP – Sustainability
Technip Energies



Ed Crooks
Vice-Chair, Americas
Wood Mackenzie



Pavan Chilukuri
VP & Global Head of CCUS
Holcim



Valentina Kretzschmar
VP, Consulting, Climate Risk and Strategy
Wood Mackenzie



Yako Wijnands
VP, Operations
NEOM Green Hydrogen Company



Prakash Sharma
VP, Head of Scenarios and Technologies
Wood Mackenzie



Steven Moran
VP Sustainable Fuels
Technip Energies



Emma Scott
Vice President of Sustainability
Kent



Adamo Screnci
Licensing & Business Development VP, NextChem Tech
NEXTCHEM

GET Strategic Conference speakers continued:



Margaux Moore
Global Energy Transition Research and Venture Capital Investments
Trafigura



Captain Marc Nuytemans
VP – Europe
Excelerate Energy



Adrian Siegrist
VP – Solutions Division
Climeworks Solutions



Lin Sun
Global Head of Sustainability Development
Jinko Solar



Dr Faye Gerard
Energy Transition Director
IOGP



Shan Guo
Partner
Hutong Research



Wayne Bryan
Director of European Gas Research
London Stock Exchange Group (LSEG)



John Defterios
Professor of Business NYU
Abu Dhabi



Nik Gowing
Founder and Co-Director
Thinking the Unthinkable



Eithne Treanor
Founder and CEO
ETreanor Media



Andreas Guth
Policy Director
Eurogas



Brent Lakeman
Director – Hydrogen Initiative
Edmonton Global



Alex Kerr
Partner – Global Projects
Baker Botts



Rebecca Ross
Director of Strategy, Innovation and External Affairs – Catalyst Technologies
Johnson Matthey



Michele Falcone
Director General
CAP Evolution



Carlos Yum
MD
Mphanda Nkuwa Hydroelectric Project



Bertha Dlamini
President
African Women in Energy and Power



John Kraus
CEO
Engineers Without Borders UK



Mike Haigh
Chair – Infrastructure Industries Governors Group,
World Economic Forum,
Former CEO, **Mott MacDonald**



Giulia Ferrini
Programme Manager – Oil and Gas Methane Partnership 2.0
UNEP



Taciana Peão Lopes
Co-founder
Mozambique Women of Energy



Hassana Mbeirick
Founder & CEO
Meen&Meen



Leyre de Adrian
GM – Energy Sales and Marketing
Fortescue



Paul Kettlety
Chairman
LANSDOWNEMoritz



Lena Sandberg
Partner
Gibson Dunn



Ben Shorten
Partner
Gibson Dunn



Jeff Miers
Global Director of Partners and Alliances, Energy and Utilities Industry Business Unit
Amazon Web Services



Mona Bhagat
Director, Energy Transition Technology
KBR



Lande Abudu
Component Lead
Rural Electrification Agency of Nigeria



Isabel Miranda
Director of Social Performance and Sustainability
Ipieca

GET Strategic Conference speakers continued:



Andrew Purvis
Director
World Steel Association



Captain Walter Purio
Founder, Clean Marine Fuel Institute and Marine Advisor – Clean Combustion Research Centre
King Abdullah University of Science and Technology



Leigh Abrams
Director, Emerging Renewable Fuels
Honeywell UOP



Andrea Boscacci
Task Force on Skills for the Energy Transition
Assorisorse
Head of Sustainable People Strategy
Saipem



Elena Belletti
Global Head of Carbon Research
Wood Mackenzie



Stephanie Del Carpio
Partner and Associate Director
BCG



Sarah Howell
VP - Energy
dmg events



Jurriaan Kamp
Author and Broadcaster



Antonia Wissert
Partner
BCG

About the Global Energy Transition Congress

Over three days, the GET Congress and Exhibition will bring together international energy ministers, CEOs, and energy transition experts from across the energy value chain and carbon intensive industries. This community of experts will share tangible, scalable and pragmatic approaches to accelerating the energy transition.

GET the bigger picture

The **Strategic Conference programme** has been curated with our knowledge partners BCG and Wood Mackenzie and with the guidance of our Steering Committee. The programme includes the opening ceremony, keynote addresses, ministers in conversation and CEO-lead panels. With contributions from executive leaders from multiple industries, investors and entrepreneurs, these discussions will inspire authentic action on the energy transition.

GET into the detail

The **Roadmaps to Net Zero Conference** is the result of our international call for papers which received over 500 submissions from over 50 countries. These were analysed by our selection committee and the highest ranked papers will be presented during this three-day programme. They outline pragmatic roadmaps for a new, sustainable energy system-of-systems and examine potential obstacles to success and proven means of navigating the energy transition efficiently and effectively. Sessions will focus on the capital, engineering, science and technology needed to effect change at scale and pace.

GET global ideas

The **Project X-Change Conference** showcases the world's leading multi-stakeholder projects and decarbonisation initiatives. Businesses and organisations from around the world were invited to submit projects for presentation which are already contributing to emissions reductions or have potential to do so, but are awaiting Final Investment Decision. Selected via peer review, these presentations inspire scale-up, replication and adaptation.

GET Congress Strategic themes

Six strategic themes underpin the GET Congress agenda. These themes are highlighted throughout the Strategic Conference programme.



Net zero impasses

Integrating energy transition policy across industries and borders, creating the conditions for targeted capital investment, collaborating on net zero enablement and navigating geopolitical volatility.



Inclusive green growth

Harnessing innovation, capturing economic growth opportunities, reskilling the labour force and easing congestion in supply chains.



Corporate and consumer behaviour change

Bridging the gap between intentions and actions, rewarding climate adaptation in challenging economic times, demanding transparency and managing misinformation.



Sustainability at scale

Accelerating industrial-scale deployment of new technologies and viable low carbon solutions, designing decarbonised market structures, abating global carbon output and laying the foundations of a zero emissions future.



Decarbonisation capital

Financing a multifaceted energy transition, structuring incentives, balancing risk and reward, driving social buy-in and ensuring an inclusive energy transition.



Climate action beyond carbon

Addressing biodiversity loss, realigning economic models for circular and regenerative impact, developing resilient societies and co-creating the economic and energy systems of the future.

GET Congress 2024 Opening Ceremony

10:00-10:10	Official welcome to the inaugural Global Energy Transition Congress & Exhibition	Plenary Theatre
10:10-10:15	Ministerial welcome address	Plenary Theatre
10:15-10:45	Global Energy Transition Changemakers programme – Introductory keynote address	Plenary Theatre

In this opening session, one of the world's most renowned voices on energy transition will issue a call for authentic and evidence-based leadership, and substantive action on shared international decarbonisation goals.

11:00-11:15	Global Energy Transition Changemakers programme	Plenary Theatre

The climate rights of emerging economies: Insights on Azerbaijan's national energy strategy ahead of COP29

Speaker:



H.E. Parviz Shahbazov
Minister of Energy
Azerbaijan

Moderator:



John Defterios
Professor of Business
NYU, Abu Dhabi

11:10 -11:45	Global Energy Transition Changemakers programme	Plenary Theatre

Coherent international action on the energy transition

Global decarbonisation requires widespread, nonpartisan engagement and evidence-based action, with COP 28's "UAE consensus" marking a significant commitment to transitioning away from fossil fuels to achieve net zero emissions by 2050. Effective communication across sectors has been crucial in developing inclusive net zero roadmaps, as policymakers balance national interests with coordinated global climate action.

Panellists:



H.E. Eng. Tarek El Molla
Minister of Petroleum & Mineral Resources
Egypt



H.E. Musadik Malik
Minister of Energy
Pakistan



H.E. Parviz Shahbazov
Minister of Energy
Azerbaijan



Hon. Christopher Keikura Vandy
Chairman of the Parliamentary Energy Commission
Sierra Leone



H.E. Dr Matthew Opoku Prempeh
Minister of Energy
Ghana



H.E. Carlos Joaquim Zacarias
Minister of Mineral Resources and Energy
Mozambique

Moderator



John Defterios
Professor of Business
NYU, Abu Dhabi

11:45-12:30 | Global Energy Transition Changemakers programme | Plenary Theatre

Emboldening industries and accelerating the energy transition: Striking the right balance on the lower carbon future

Climate policy varies globally, with the USA and India focusing on incentives for lower carbon activities, while the EU uses a mix of incentives and regulation, highlighting a "carrot or stick" dilemma. Legislators must balance market incentives and regulatory frameworks to promote low-carbon transitions without increasing costs, while also considering the differing priorities of the Global North and South and the challenges of tight international monetary conditions.

Panellists:



Musabbeh Al Kaabi
Executive Director of Low Carbon Solutions & International Growth
ADNOC
Chairman of the Board
Mubadala Energy



Sanjiv Lamba
CEO
Linde



Lorenzo Simonelli
President and CEO
Baker Hughes



Yoshinori Kanehana
Chairman of the Board
Kawasaki Heavy Industries, Ltd



Alessandro Puliti
CEO and GM
Saipem

Moderator



John Defterios
Professor of Business
NYU, Abu Dhabi

12:30-13:00 | Global Energy Transition Changemakers programme | Plenary Theatre

Geopolitics, energy security and new challenges to net zero

The international community faces intertwined challenges of global conflict, competing geostrategic priorities, resource demand, and the unpredictable future of machine learning, with digitalisation enhancing energy system efficiency and consumer choices. However, cybersecurity threats from hostile actors are a growing concern, highlighting the inextricable link between the global energy transition and geopolitical issues.

Speaker:



James Apputhurai
Deputy Assistant Secretary General for Innovation, Hybrid and Cyber
NATO

Moderator:



Nik Gowing
Founder & Director
Think the unthinkable

13:00-13:30 | Networking Lunch

13:30-14:00 | Global Energy Transition Changemakers programme | Plenary Theatre

A conversation with John F. Kerry

Speaker:



Secretary John F. Kerry
68th US Secretary of State
USA

Moderator:



Nik Gowing
Founder & Director
Think the unthinkable

GET Strategic Conference Day One
Monday 1 July 2024

14:00-15:00 | Global Energy Transition Critical Agenda | Plenary Theatre

Funding the energy transition: Overcoming obstacles to Final Investment Decision

Economic challenges and geostrategic trends are increasing financial pressure on businesses seeking capital for lower carbon projects, with uncertainties in risk profiles and regulatory compliance restricting access to funding. In this session, Fortescue will present recommendations for overcoming these issues, followed by a panel discussion on these findings and the impact of net zero legislation.

Critical agenda paper presented by:



Leyre de Adrian
GM of Energy Marketing and Sales
Fortescue

Moderator:



Lord John Browne
Chairman
BeyondNetZero

Panellists:



Arnaud Pieton
CEO
Technip Energies



Javier Cavada
President and CEO – EMEA
Mitsubishi Power



Dr Philip Mshelbila
CEO and MD
Nigeria LNG Limited



Charlotte Wolff-Bye
Chief Sustainability Officer
PETRONAS



Dr Demetrios Papathanasiou
Global Director for the Energy and Extractives Global Practice
World Bank

14:00-14:45 | Global Energy Transition in Action programme | Spotlight Theatre

In focus: The energy transition in Europe

The EU aims to become the first climate-neutral continent by building on three decades of climate progress, achieving a 24% reduction in GHG emissions from 1990 to 2020, and implementing the comprehensive EU Green Deal. The Fit for 55 package, finalised in 2023, outlines a plan for a 55% emissions reduction by 2030, but maintaining unity among member states amid challenges like sluggish growth and the Ukraine war, and the upcoming June elections, will be crucial.

Panellists:



Maria Rita Galli
CEO
DESFA



Sara Karki
Senior VP
Hydrogen Development
Gasgrid Finland Oy
Co-Chair
European Hydrogen Backbone



Frédéric Godemel
EVP Power Systems and Services
Schneider Electric



Daniel Dean
Chairman
International Bank for Nuclear Infrastructure – IO SAG



Andreas Guth
Policy Director
Eurogas

Moderator



Simon Flowers
Chairman and Chief Analyst
Wood Mackenzie

GET Strategic Conference Day One
Monday 1 July 2024

14:45-15:30 | Global Energy Transition in Action programme | Spotlight Theatre

US supply, European demand: What and where now for global LNG markets?

The role of LNG in Europe's energy system was reconsidered after the Ukraine invasion disrupted gas supplies, leading to increased LNG imports and record high global coal demand in 2023. However, the US moratorium on new LNG exports announced in January 2024, due to net zero commitments and domestic energy price concerns, has raised fears of new price volatility, prompting a reevaluation of global LNG market dynamics

Panellists:



Matt Chandler
President – LNG Market Development
ExxonMobil



Oliver Simpson
Executive VP & CCO
Excelerate Energy



Boyana Achovski
Secretary General
Gas Infrastructure Europe



Alex Kerr
Partner – Global Projects
Baker Botts



Wayne Bryan
Director – European Gas Research
London Stock Exchange Group

Moderator:



Martin J Houston
Chairman
Tellurian

15:00-15:45 | Global Energy Transition in Action programme | Plenary Theatre

Insights from the forefront: Business leaders at the helm of energy transition ventures

The COP 28 UAE Consensus urges parties to set more ambitious emission reduction targets and involves the private sector in the energy transition, with senior industry leaders sharing insights on planning, financing, partnerships, market forecasts, and the cultural differences between corporate and finance-backed initiatives.

Panellists:



Maurits von Tol
Chief Executive – Catalyst Technologies
Johnson Matthey



Dame Susan Rice DBE
Chair of Global Steering Group
GEFI



Fabrizio Botta
CCO
Saipem



Simon Herbert
VP, EAME
ExxonMobil Low Carbon Solutions



Aniruddha Sharma
Chair and CEO
Carbon Clean

Moderator



Nik Gowing
Founder & Director
Thinking the Unthinkable

GET Strategic Conference Day One
Monday 1 July 2024

15:45-16:30 | Global Energy Transition Changemakers programme | Plenary Theatre

Decarbonising the global hydrogen value chain

Hydrogen production remains highly carbon-intensive, with over 80% of 2022 output derived from coal and CCUS-free natural gas, while green hydrogen constituted only 0.1% of total production. Despite increasing international focus and over 50 national hydrogen strategies, clean hydrogen projects face significant financial challenges and market inconsistencies, though recent landmark announcements offer hope for affordable, utility-scale production.

Panellists:



Alessandro Bresciani
SVP, Climate Technology Solutions
Baker Hughes



Yves Vercammen
Chief Corporate Officer
TES



Xavier Rousseau
Director of Strategy
Snam
Steering Committee Member
European Hydrogen Backbone



Yako Wijnands
VP, Operations
NEOM Green Hydrogen Company



Margaux Moore
Global Head of Energy Transition Research and Venture Capital Investments
Trafigura

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

15:45-16:30 | Global Energy Transition in Action programme | Spotlight Theatre

Ambition and reality: Making the business case for lower carbon energy solutions

The UNEP FI estimates climate investment opportunities could reach $275 trillion by 2050, highlighting significant economic potential despite existing funding gaps and investor hesitation due to high upfront costs and uncertain market conditions. While new oil and gas projects see higher final investment decisions compared to renewables, nuclear projects are increasingly favored, indicating a shift towards fission as a future low-carbon energy source; this session will explore the challenges and opportunities for low-carbon investments post-COP28.

Panellists:



Tim Yeo
Chairman
New Nuclear Watch Institute



Jesus Cotobal
Senior VP – Financial Sponsors, Corporate & Investment Banking
BBVA



Michael Stirling
CEO and Chairman of Investment Board
Stirling Infrastructure



Stefano Buono
Chief Executive Officer
newcleo



Mona Bhagat
Director, Energy Transition Technology
KBR

Moderator



Stuart Broadley
CEO
Energy Industry Council (EIC)

16:30-16:45 | Global Energy Transition Changemakers programme | Plenary Theatre

Overcoming differences to accelerate a just and equitable energy transition

The energy transition involves a plurality of social, economic, and cultural concerns and influences. Success in the pursuit of net zero emissions will require us to harness these differences for positive outcomes: the diversity of our experiences can strengthen the unity of our purpose.

Speaker:



Ambassador Patricia Espinosa
Founding Partner and CEO
onepoint5
Formerly Executive Secretary
UN Framework Convention on Climate Change (UNFCCC)

Moderator



John Defterios
Professor of Business
NYU, Abu Dhabi

16:45-17:30 | Global Energy Transition Changemakers programme | Plenary Theatre

Ending energy exclusion as the transition picks up pace

Geopolitical, economic, and demographic challenges in emerging markets complicate the energy transition, as supply bottlenecks, price volatility, and growing energy demand hinder decarbonization efforts in the Global South and East. Despite aims to reduce coal dependency in ASEAN nations, global coal demand rose in 2023, with China, India, and Southeast Asia expected to drive 75% of consumption, intensifying competition for cleaner fuels like LNG and deterring investors from new energy projects.

Panellists:



Ambassador Patricia Espinosa
Founding Partner and CEO
onepoint5
Formerly Executive Secretary
UN Framework Convention on Climate Change (UNFCCC)



Joseph McMonigle
Secretary General
International Energy Forum (IEF)



Shehryar Omar
CEO
Petroleum Institute of Pakistan (PIP)



Craig Hicks Jr.
Global Head of Sustainability, VP of Investor Relations & ESG
Excelerate Energy

Moderator:



John Defterios
Professor of Business
NYU, Abu Dhabi

16:30-17:15 | Global Energy Transition in Action programme | Spotlight Theatre

In focus: The energy transition in North America

The US Inflation Reduction Act (IRA) and Canada's CA $80bn budget for green energy investments have positioned North America at the forefront of the energy transition. The IRA has generated nearly 200,000 new jobs and $300bn in clean energy investments, with bipartisan support emerging, yet challenges persist, including opposition to infrastructure projects, grid reliability issues, and concerns about global competition.

Panellists:



Hon. Mark W. Menezes
President & CEO
United States Energy Association



Katarzyna Piquette
Associate Deputy Minister, Intergovernmental Relations
Government of Alberta



Katrien Verlinden
President & CEO
Saipem America, Saipem Canada and Saimexicana



Carmen Elena Padilla
Special Legal Counsel to the General Secretary
SICA

Moderator:



Ed Crooks
Vice-Chair, Americas
Wood Mackenzie

17:30-18:15 | Global Energy Transition Changemakers programme | Plenary Theatre

In whose back yard? Locational challenges for new energy infrastructure

Discussion around funding for lower carbon energy projects is accompanied by a growing focus on the location of new infrastructure, with debates over wind and solar farms, substations, nuclear plants, and minerals processing facilities becoming prominent. The historical legacy of infrastructure decisions highlights the importance of careful spatial planning, regulatory frameworks, and citizen engagement to avoid repeating past mistakes and ensure broad social acceptance as the need for extensive renewable networks grows.

Panellists:



John Gilley
CEO
Kent



Mike Haigh
Chair – Infrastructure Industries Governors Group
World Economic Forum
Former CEO
Mott MacDonald



Alessandra Pasini
Co-Founder & President
Zhero



Duarte Ferreira
Managing Director – Distributed Generation
Greenvolt Group

Moderator



Eithne Treanor
Founder and CEO
ETreanor Media

GET Strategic Conference Day Two
Tuesday 2 July 2024

10:00-10:30 | Global Energy Transition Changemakers programme | Plenary Theatre

Putting Italy at the heart of multilateral energy co-operation efforts in Europe and beyond: An energy-mix for an accelerated transition

Speaker:



Hon Gilberto Pichetto Fratin
Minister of Enivronment and Energy Security
Italy

Moderator:



Nik Gowing
Founder & Director
Thinking the Unthinkable

10:00-10:45 | Global Energy Transition in Action programme | Spotlight Theatre

In focus: The energy transition in Sub-Saharan Africa

Sub-Saharan Africa faces unique and urgent challenges in energy transition due to limited access to modern energy, rapid population growth, and geopolitical instability hindering cross-border collaboration, placing vulnerable communities at high risk of climate-related disruptions. It's crucial for stakeholders to pursue transition initiatives and economic incentives that consider historical realities and promote future prosperity to ensure sustainable development across the region.

Panellists:



Isabel Ramirez
Chief Commercial Officer
ERG Africa



Hassana Mbeirick
CEO
Meen&Meen



Corey Karaka
MD, Investments
Global Energy Alliance for People and Planet



Carlos Yum
MD
Mphanda Nkuwa Hydroelectric Project



Lande Abudu
Component Lead
Rural Electrification Agency of Nigeria

Moderator:



Tolu Oyekan
Managing Director & Partner
BCG

10:30-11:15 | Global Energy Transition Changemakers programme | Plenary Theatre

Harnessing the green economic growth opportunity

The energy transition presents a significant economic opportunity, with the renewables sector poised to create jobs and foster innovation, while public investment in green energy infrastructure is expected to generate inclusive economic growth. The hydrogen economy and the shift towards smaller, lower-carbon energy systems offer potential for improved energy security, market stability, and increased efficiency, driving growth opportunities linked to Industry 4.0, which will be explored in this session.

Panellists:



Alessandro Bernini
CEO
MAIRE



Christina Verchere
CEO & President
OMV Petrom



Paddy Lowe
Founder and CEO
Zero Petroleum



Anish De
Global Head of Energy, Natural Resources and Chemicals
KPMG

Moderator



John Defterios
Professor of Business
NYU, Abu Dhabi

GET Strategic Conference Day Two
Tuesday 2 July 2024

10:45-11:30 | Global Energy Transition in Action programme | Spotlight Theatre

Voluntary carbon markets: An evolving mechanism for the global energy transition

The voluntary carbon market offers a breakthrough in emissions reduction by commercializing climate overperformance, creating incentives for companies to go further and reinvest revenues into climate research, potentially fostering a virtuous cycle of success. However, concerns persist about market integrity, with issues such as additionality and transparency needing resolution to realize the market's potential as a driver of both commercial and environmental imperatives in a green economy.

Panellists:



Halfdan Millang
CEO
ICA-Finance "Immediate Climate Action Finance"



Brian Nyangena
Co-Founder and CEO
Verst Carbon Limited



Adrian Siegrist
VP – Solutions Division
Climeworks Solutions



Dr Faye Gerard
Energy Transition Director
IOGP

Moderator



Elena Belletti
Global Head of Carbon Research
Wood Mackenzie

11:30-12:15 | Global Energy Transition Changemakers programme | Plenary Theatre

How will generative artificial intelligence unlock critical climate progress?

John Kerry's statement in a 2021 BBC interview, suggesting that yet-to-be-invented technologies could deliver half of the emissions reductions necessary for net zero, underscored the belief that the energy transition will drive and be driven by the fourth industrial revolution. AI's ability to process vast datasets and identify patterns holds promise for solving decarbonization challenges, with initiatives like the Bletchley Declaration on AI Safety potentially facilitating international cooperation to maximize benefits and minimize harms, although concerns about the environmental impact of resource-intensive AI technologies persist.

Panellists:



Benedikt Sobotka
CEO
ERG
Co-chair
Global Battery Alliance



Astrid Poupart-Lafarge
President – Energies and Chemicals Global Segment
Schneider Electric



Jeff Miers
Global Director of Partners and Alliances, Energy and Utilities Industry Business Unit
Amazon Web Services



Lucy Yu
CEO
Centre for Net Zero



Mustafa Sahin
Executive Vice President of Investment and Trade
Edmonton Global

Moderator:



Nik Gowing
Founder & Director
Thinking the Unthinkable

12:00-12:45 | Global Energy Transition in Action programme | Spotlight Theatre

Accelerating the global skills transition

A European Investment Bank survey in February 2023 highlighted significant net zero skills shortages in the EU, with over 80% of businesses and 60% of public sector organizations reporting obstacles due to a lack of appropriately skilled workers. The evolving global energy mix presents a monumental shift in energy supply and demand, with IRENA estimating the potential creation of 26 million new jobs by the end of the decade, emphasizing the urgent need for collaborative, cross-sectoral efforts to address human capital deficits and unlock opportunities for economic growth and social well-being.

Panellists:



Ayesha Al Hammadi
SVP, Group People Performance & Total Rewards,
ADNOC



Bertha Dlamini
President
African Women in Energy and Power



John Kraus
CEO
Engineers Without Borders UK



Isabel Miranda
Director of Social Performance and Sustainability
Ipieca



Andrew Purvis
Director
World Steel Association

Moderator:



Sarah Howell
VP, Global Energy Transition Congress & Exhibition
dmg events

12:15-13:15 | Global Energy Transition Critical Agenda | Plenary Theatre

Tackling the oil and gas industry's methane challenge

Methane, the second-largest contributor to global warming after CO2, demands urgent attention, especially from the oil and gas industry responsible for nearly a quarter of human-caused methane emissions. Wood Mackenzie will present recommendations in a critical agenda session to address methane emissions, followed by a panel discussion to evaluate the findings.

Critical agenda paper presented by:



Elena Belletti
Global Head of Carbon Research
Wood Mackenzie

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

Panellists:



Olakunle Osobu
Deputy MD
Nigeria LNG Ltd



Julien Perez
Managing Director
OGCI and OGDC



Aminuddin
President Director
PT Pertagas Niaga



Nooshin Behroyan
CEO and Founder
Paxon Energy & Infrastructure



Giulia Ferrini
Programme Manager – Oil and Gas Methane Partnership 2.0
UNEP

12:45-13:30 | Global Energy Transition in Action programme | Spotlight Theatre

Harnessing the power of data for optimised corporate performance, sustainability reporting and value creation

Sustainability reporting is a top priority for businesses due to stakeholder expectations and regulatory demands, but navigating diverse reporting guidelines requires careful data management. Properly compiled and managed data not only aids in performance reporting but also drives performance improvement, offering insights into market trends, operational efficiency, and risk mitigation processes, making data integration a critical component of digital transformation strategies for companies seeking to excel in the energy transition.

Panellists:



Fabio Fontana
Chief Executive Officer
ZeroPoint DC
Chief Growth Officer
TONOMUS



Gavin Starks
CEO
Icebreaker One



Heather Buchanan
Chief Executive & Co-Founder
Bankers for Net Zero



Helen Lamprell
Chief Legal and Transformation Officer
AVEVA



Emma Scott
Vice President of Sustainability
Kent

Moderator



Dr Valentina Kretzschmar
VP Consulting, Climate Risk & Strategy
Wood Mackenzie

14:15-15:15 | Global Energy Transition Critical Agenda | Plenary Theatre

Decarbonising the global shipping industry

The shipping sector, responsible for 90% of global trade, faces a critical challenge in reducing its 3% share of global CO2 emissions, highlighting the tension between economic growth and climate action. Despite the International Maritime Organisation's ambitious target of achieving net-zero emissions by 2050, challenges such as diverse vessel types, compliance uncertainties, technology readiness, infrastructure gaps, and funding shortages remain, prompting Lansdowne Moritz to present recommendations for overcoming these obstacles in a Critical Agenda session.

Critical agenda paper presented by:



Paul Kettlety
Executive Chairman
LANSDOWNEMoritz

Moderator:



Peter Jameson
Managing Director and Partner
BCG

Panellists:



Håkan Agnevall
President and CEO
Wärtsilä Corporation



Torben Nørgaard
CTO – Energy & Fuels
Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping



Dr Juan Mario Michan
CEO
Daphne Technology



Captain Walter Purio
Founder, Clean Marine Fuel Institute and Marine Advisor – Clean Combustion Research Centre
King Abdullah University of Science and Technology

GET Strategic Conference Day Two
Tuesday 2 July 2024

14:30-15:15 | Global Energy Transition in Action programme | Spotlight Theatre

Investment in innovation: Organisational cultures and the energy transition

The journey to net zero requires significant changes, particularly in the corporate world, where cultures and processes must adapt to encourage innovation and empower leaders. Authentic and courageous leadership, coupled with investment in dynamic, inclusive environments, will be crucial in attracting and retaining talent essential for navigating the challenges of the 21st century.

Panellists:



Rebecca Groen
CEO
Futuria Fuels



David Reid
CTO & CMO
NOV



Richard Scott
EVP, Green Hydrogen and Ammonia Development
ACME Group



Rebecca Ross
Director of Strategy, Innovation and External Affairs – Catalyst Technologies
Johnson Matthey



Andrea Boscacci
Task Force on Skills for the Energy Transition, **Assorisorse**
Head of Sustainable People Strategy, **Saipem**

Moderator:



Stephanie Del Carpio
Partner and Associate Director
BCG

15:15-16:00 | Global Energy Transition Changemakers programme | Plenary Theatre

Lower emissions logistics: Energy transition and global supply chains

The UAE Consensus aims to triple renewables and double energy efficiency by 2030, yet faces logistical challenges exacerbated by global supply chain strains and geopolitical events. Fragilities in the clean energy supply chain, including material shortages, geographic concentration, and investor hesitancy, highlight the need for antifragility measures such as the Minerals Security Partnership and the EU Critical Raw Materials Act to ensure a sustainable and diversified global logistics industry.

Panellists:



Angelo Di Martino
Group Chief Strategy & Business Development Officer
Emirates Steel



Joachim Braun
President
ABB Process Industries



Leonardo Brunori
EVP, Energy and Mobility RINA and VP
Assorisorse



Morgan Bazilian
Director
Payne Institute for Public Policy
Professor of Public Policy
Colorado School of Mines



Lin Sun
Global Head of Sustainability Development
Jinko Solar

Moderator:



Antonia Wissert
Partner
BCG

GET Strategic Conference Day Two
Tuesday 2 July 2024

15:15-16:00 | Global Energy Transition in Action programme | Spotlight Theatre

Over land and sea: Decarbonising long-haul and heavy-duty transport

This discussion will explore emissions reduction initiatives across heavy emitting freight and transport sectors, crucial for achieving an economically viable energy transition, given that global transport accounts for nearly one-fifth of all carbon emissions. Expert panellists will address the adoption of greener transport solutions, including diversifying fuel sources, developing propulsion technologies, and changing attitudes around personal mobility, to promote inclusive growth prospects.

Panellists:



Umberto de Pretto
Secretary General
IRU



Steven Moran
VP Sustainable Fuels
Technip Energies



Captain Marc Nuytemans
VP – Europe
Excelerate Energy



Leigh Abrams
Director, Emerging Renewable Fuels
Honeywell UOP



Brent Lakeman
Director – Hydrogen Initiative
Edmonton Global

Moderator:



Jurriaan Kamp
Author and Broadcaster

16:15-17:00 | Global Energy Transition Changemakers programme | Plenary Theatre

Do carbon capture technologies have an image problem?

The deployment of carbon capture technologies on a global scale requires infrastructure comparable to the LNG network, necessitating rapid development within a decade and policy interventions akin to those for renewables. However, skepticism persists regarding the effectiveness and ethical implications of carbon capture projects, underscoring the need for debate on their scalability, bankability, and effectiveness in reducing emissions.

Panellists:



Claudio Tassistro
MD of Energy – Europe
Mott MacDonald



Dr. Zara Summers
Chief Science Officer
LanzaTech



Michele Fiorentino
EVP of Low Carbon Solutions
& International Growth
ADNOC



Frederik Majkut
SVP – Carbon Solutions
SLB



Christophe Malaurie
SVP
De-Carbonization Solutions
Technip Energies

Moderator:



John Defterios
Professor of Business
NYU, Abu Dhabi

GET Strategic Conference Day Two
Tuesday 2 July 2024

16:30-17:15 | Global Energy Transition in Action programme | Spotlight Theatre

Can circular and regenerative economic models deliver growth?

The circular economy offers numerous benefits, including waste reduction, new profit opportunities, and decoupling economic growth from resource use, but skeptics doubt its feasibility and worry about its potential negative impacts on economic development in the Global South. In this session, panellists will discuss strategies for integrating circularity into business operations to maximize efficiencies and commercial opportunities.

Panellists:



Vikas Chhajer,
Chief Sustainability and Strategy Officer
Geminicorp



Pavan Chilukuri
VP & Global Head of CCUS
Holcim



Michele Falcone
Director General
CAP Evolution



Sam Allen
President
International Geosynthetics Society

Moderator:



Jurriaan Kamp
Author and Broadcaster

17:00-18:00 | Global Energy Transition Critical Agenda | Plenary Theatre

Climate change regulation without borders

Climate change is a global issue prompting varied national regulations, necessitating international alignment to fully realize green economic growth opportunities. To achieve this, global climate rules based on agreed principles are crucial, as discussed in a Critical Agenda session led by Gibson Dunn, offering recommendations for international regulatory alignment.

Critical Agenda paper presented by:



Lena Sandberg
Partner
Gibson Dunn



Ben Shorten
Partner
Gibson Dunn

Panellists:



Hon. Willie L. Phillips
Chairman
US Federal Energy Regulatory Commission (FERC)



Yelda Guven
VP, Policy and Advocacy – Europe, Africa and Middle East
ExxonMobil Low Carbon Solutions



Assoc. Prof. Sudharma Yoonaidharma
Commissioner
Energy Regulatory Commission of Thailand

Moderator:



Nik Gowing
Founder & Director
Thinking the Unthinkable

GET Strategic Conference Day Three
Wednesday 3 July 2024

10:00-10:05 | Global Energy Transition Changemakers programme | Plenary Theatre

Session format: Video address

The new industrial opportunity: Releasing the spirit of innovation to build a greener future

The new industrial opportunity: Releasing the spirit of innovation to build a greener future.

Speaker:



Hon. Adolfo Urso
Minister of Enterprises and Made in Italy
Italy

10:05-10:10 | Global Energy Transition Changemakers programme | Plenary Theatre

Session format: Keynote address

Lombardia: Europe's engine room of high-tech economic growth

Speaker:



Alessandro Spada
President
Assolombarda

Moderator:



Nik Gowing
Founder and Co-Director
Thinking the Unthinkable

10:00-10:45 | Global Energy Transition in Action programme | Spotlight Theatre

In focus: The energy transition in China

China's 14th Five Year Plan aims for a 50% increase in renewable energy generation, supported by significant investment, yet it also approved a substantial amount of new coal-fired power capacity in 2022. This session will evaluate China's dual role in the global energy transition, as a key investor and supplier for renewables while remaining the world's largest carbon emitter.

Panellists:



Tze San Koh
President, China Gas Marketing
ExxonMobil



Yao Li
Founder and CEO
SIA Energy



Shan Guo
Partner
Hutong Research

Moderator:



Prakash Sharma
Head of Scenarios & Technologies
Wood Mackenzie

GET Strategic Conference Day Three
Wednesday 3 July 2024

10:15-11:00 | Global Energy Transition Changemakers programme | Plenary Theatre

The sky's the limit: Sustainable aviation and the future of flight

The exponential growth of air travel has made commercial aviation a significant contributor to global greenhouse gas emissions, prompting the sector to prioritize innovation and sustainable practices. This session will gather experts to discuss collaborative efforts needed for research, development, and adoption of greener technologies to ensure a sustainable future for aviation.

Panellists:



Meiltje De Groot
CEO
Groningen Airport Eelde
Chair
Dutch Association of Airports



Thorsten Herdan
CEO – EMEA
HIF Global



Bryan Glover
Chief Technology and Growth Officer
Honeywell Energy and Sustainability Solutions

Moderator:



Simon Flowers
Chairman & Chief Analyst
Wood Mackenzie

11:00-11:45 | Global Energy Transition in Action programme | Spotlight Theatre

Climate change adaptation for enhanced climate resilience

The First Global Stocktake of COP28 provided a comprehensive assessment of progress towards critical climate goals, emphasizing the urgency for both mitigation and adaptation efforts. While climate change is a global issue, its impacts vary locally, underscoring the importance of resilient strategies like infrastructure improvements and nature-based solutions discussed in this session.

Panellists:



Don Dimitrievich
Senior Managing Director and Portfolio Manager for Energy Infrastructure Credit
Nuveen



Taciana Peão Lopes
Co-founder
Mozambique Women of Energy

Moderator:



Ed Crooks
Vice-Chair, Americas
Wood Mackenzie

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11:45-12:15	Global Energy Transition Changemakers programme	Plenary Theatre

Thirsty world: Decarbonising the global water supply

Climate change is causing the depletion of critical rivers, lakes and aquifers in the world's most climate vulnerable regions. Over 2.5 billion people already people lack access to potable water for at least one month each year, and the situation is likely to get worse. UNICEF projections suggest that, by 2050, up to half of the world's population will live in regions blighted by chronic water scarcity. Access to fresh water can be further impeded by failing infrastructure, contamination and conflict. The harms caused by scarcity go beyond endemic thirst in affected communities and can include a range of communicable diseases. Furthermore, experts on geostrategy have warned that disputes over water could trigger social unrest and even war without concerted diplomacy and the adoption of scalable, affordable water technologies.

Desalination is often cited as one such technology with the potential to address water access issues in areas prone to drought. There are already 18,000 desalination plants in the world, providing water for over 300 million people each day, and demand is expected to intensify as the growing global population further stresses freshwater supplies. But desalination is both an infrastructure-heavy and energy-intensive solution. To truly count as mitigators of climate change, plants must produce more and emit less. Here, a world leading expert on desalination will share his ambitions for ensuring access to clean water in a dehydrating world.

Panellists:



Paddy Padmanathan
Co-Founder and Vice Chairman
Zhero

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

12:15-13:00	Global Energy Transition in Action programme	Plenary Theatre

GET Congress 2024 in review

GET Steering Committee members look back at the week's most thought-provoking moments and offer their insights into the discussions that took place during GET 24.

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Roadmaps to Net Zero Conference

The Roadmaps to Net Zero Conference has been curated via an international call for papers. Over 500 papers were submitted from four continents and 52 countries.

11:15-12:15	Climate technologies showcase – part 1	RoadMaps to Net Zero Theatre

Moderator:



Michael Stirling
CEO and Chairman of Investment Board
Stirling Infrastructure

Decarbonising hard-to-abate industries at scale with turbo heater technology



Cristiano Balestrino
Product Manager – Transformation of Industry
Siemens Energy

Direct lithium extraction technologies in oil and gas operations: A comprehensive technology assessment



Dr Miguel Ángel Caja
Subsurface E&P Tech Advisor
Repsol

Reliable solar heat for industry: Proven technology deployed at scale



Rod MacGregor
CEO
GlassPoint

12:15-13:15	Climate technologies showcase – part 2	RoadMaps to Net Zero Theatre

Moderator:



Michael Stirling
CEO and Chairman of Investment Board
Stirling Infrastructure

KBR's KCap technology: Decarbonising hard-to-abate industry sectors



Mona Bhagat
Director, Energy Transition Technologies
KBR

Bioremediate, degrade and eliminate direct and indirect greenhouse gases in the atmosphere using Environmental Balance Device technology



David Roberts
President
FREYTECH INC.

Supporting the nuclear revolution: Integrated power conversion solutions for Small Modular Reactors



Paola Di Festa
Product Leader
Nuovo Pignone Baker Hughes Company

13:15-14:00	Networking Lunch

Roadmaps to Net Zero Conference Day One
Monday 1 July 2024

14:00-15:00 | New and emerging energy transition solutions | RoadMaps to Net Zero Theatre

Moderator:



Simon Emeny
Subject Lead on Nuclear Regulatory and Supply Chain Assurance
LRQA

Turning ambition into bankable projects: Lessons learned from hydrogen production projects which are successfully approaching FID



Dharmesh Jadavji
Head of Hydrogen
Baringa Partners

Net zero nuclear: Turning commitments into action



Jonathan Cobb
Senior Project Lead, Climate
World Nuclear Association

Assessing the environmental impact of electronic waste recycling using standardised metrics for energy efficiency



Iram Maimuna
CEO
E Waste Social Pvt Ltd

Tackling challenges in CO2 transportation



Alessandro Bove
CCUS Consultant
DNV

15:00-16:00 | Towards net zero Europe | RoadMaps to Net Zero Theatre

Moderator:



Professor Alessandro Romagnoli
Assistant Dean for Innovation and Enterprise
Nanyang Technological University

Is there a need to reconsider the EU's approach to hydrogen imports?



Dr Kim Talus
Partner, Professor
Energy and Regulation Partners
UEF Law School

The Hydrogen Backbone Link project: Connecting Scotland to Europe



Luca Corradi
Chief Technology Officer
Net Zero Technology Centre

Regulatory pathways towards resilient, secure supplies of critical minerals in the EU and the US



Sirja-Leena Penttinen
Senior Researcher
University of Eastern Finland

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Roadmaps to Net Zero Conference Day One
Monday 1 July 2024

16:00-17:00 | Decarbonisation studies around the world | RoadMaps to Net Zero Theatre

Moderator:



Professor Gianni Lozza
Head of Department of Energy
Politecnico di Milano

From Vaca Muerta to Green Horizons: Argentina's decisive energy shift



Gonzalo Cabrera
Founder and Partner
C Energy Consulting

Addressing energy availability, accessibility, and affordability amidst energy transition in Africa: Ghana's outlook



Riverson Oppong
Manager – Commercial Operations
Ghana National Gas Company

Harnessing clean energy for sustainable water and wastewater utilities: Insights from South Africa



Thobekile Gambu
Environmental Scientist
uMngeni-uThukela Water

17:00-18:00 | Lower carbon value chains and market opportunities | RoadMaps to Net Zero Theatre

Moderator:



Andrea Pivatello
Senior Business Development Manager
INNIO Jenbacher

What role will natural gas play in the energy transition?



Simon Sjøthun
Partner
Rystad Energy

Synthetic methane and low-carbon LNG for the energy transition



Tom Maramba
Executive Director
Fluor Enterprises, Inc.

Pricing of clean ammonia as a carbon-free fuel



Graham Hoar
Global Head, Hydrogen, Ammonia & Methanol
Poten & Partners

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Roadmaps to Net Zero Conference Day Two
Tuesday 2 July 2024

09:30-10:30 The growing hydrogen economy — RoadMaps to Net Zero Theatre

Moderator:



Professor Gianluca Valenti
Associate Professor Department of Energy
Politecnico di Milano

Assessing the probability of production tax credit qualification for clean hydrogen production and the potential impact of risk under the Inflation Reduction Act



Drake Hernandez
Associate Principal
Charles River Associates

Trading hydrogen: How the market for hydrogen is likely to evolve based on lessons learnt from natural gas



Mashal Jaffery
Director
Baringa Partners

The role of ammonia as a hydrogen carrier and the future path of the global seaborne ammonia market



Michael Panas
Managing Consultant
NGLStrategy LLC

10:30-11:30 New innovations in hydrogen production — RoadMaps to Net Zero Theatre

Moderator:



Leanne Halliday
Hydrogen Subject Matter Expert
LRQA

Driving the sustainable energy transition: Leveraging digitalisation for green hydrogen, CCUS and sustainable fuels projects through digital twins



Roy Calder
Industry Principal – New Energies
AVEVA

Hydrogen production and blending for gas turbines



Ryan McDougall
Senior Stations Engineer, Hydrogen Blending
Enbridge Gas Inc.

Low carbon hydrogen technology optimisation: Moving projects forward to achieve net zero targets



Isabel Chan
Hydrogen Technology Leader
Honeywell UOP

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Roadmaps to Net Zero Conference Day Two
Tuesday 2 July 2024

11:30-12:30 | Inclusive energy and the just transition | RoadMaps to Net Zero Theatre

Moderator:



Jocelyne Machevo
Commercial and Communications Manager
Vivo Energy Mozambique

Female labour inclusion and energy policies in the Mediterranean region



Valentina Dedi
Associate Director Economics
KBR

How can the oil and gas sector support a just transition to a lower-carbon world?



Chloé Prendleloup
Manager – Sustainability and Social Performance
Ipieca

Energy and resources efficiency as drivers of the technical and business development of the Egyptian food sector



Sara Abd Alla
Sustainability and Climate Risk Manager
RINA

12:30-13:30 | Networking Lunch

13:30-14:30 | Natural gas and LNG: Stepping stones on the global energy transition pathway | RoadMaps to Net Zero Theatre

Moderator:



Murtaza Gandhi
Principal Engineer
BakerRisk

Putting gas flaring on the back burner



Ira Joseph
Senior Research Associate
Center on Global Energy Policy
Columbia University

Industrial Electrification of Things (EoT): The benefits of electrifying fossil-fuel fired process heating equipment



Taylor Cavins
Strategic Program Manager
Thermon

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14:30-15:30 | Carbon capture and energy recovery | RoadMaps to Net Zero Theatre

Moderator:



Mona Bhagat
Director, Energy Transition Technologies
KBR

Enzymatic carbon capture energised by low-temperature heat is accelerating decarbonisation



Tiziano DePaolis
Head of CCUS Solution Management
Saipem

A novel process system for recovering energy, water and nitrogen resources from exhaust flue gases



Hussain Albayat
Electrical Engineer
Aramco

Toward 2050: A critical analysis of the energy and economic requirements of carbon capture and storage in post combustion capture



Rafal Damian Wolicki
H2 technology solution
DG Impianti Industriali

15:30-16:30 | Industry 4.0 and the digitalised energy transition pathway | RoadMaps to Net Zero Theatre

Moderator:



Professor Alessandro Romagnoli
Assistant Dean for Innovation and Enterprise
Nanyang Technological University

Harnessing machine learning for high-efficiency design of floating offshore substations through multi-objective optimisation



Robin O'Connell
Principal Naval Architect, Floating Wind Engineering Lead
Kent

Detecting and quantifying methane at source and site levels through deep machine learning algorithms



Malou Thiebaut de Kergret
Emission Solutions Director
Schneider Electric

AI-based optimisation of emissions in LNG trading and shipping



Michael Schach
CEO and Co-founder
Calypso Commodities

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Roadmaps to Net Zero Conference Day Two
Tuesday 2 July 2024

16:30-17:30 | Data is the new oil | RoadMaps to Net Zero Theatre

Moderator:



Professor Alessandro Romagnoli
Assistant Dean for Innovation and Enterprise
Nanyang Technological University

Variable geometry gas turbines to reduce the CO2 emissions of datacentres: A case study



Alessandro Maschietto
Product Manager – Gas Turbines
Baker Hughes

Using advanced data analytics and the collaboration between drilling and completion technologies to improve drilling efficiencies and reduce the carbon footprint during the lifecycle of a well



Jason Ellison
CEO
Ellison Fluid Calipers

Data-backed carbon credits for last-mile solar empowerment



Mathieu Brun
Head of Grant Funding
ENGIE Energy Access

Maximising efficiency and profitability in Power-to-X projects through model predictive controls: A techno-economic perspective



Chris Prengels
MD
NetZeroWorx

Roadmaps to Net Zero Conference Day Three
Wednesday 3 July 2024

09:30-10:30 | The new wave: Marine and maritime technologies showcase | RoadMaps to Net Zero Theatre

Moderator:



Martyn Link
Managing Director
Link Advisory Services

SEWAT (Sustainable Energy by Waves Trap), or hydroelectic at sea



Giulio Teodoro Maellaro
Engineer
GECO-Global Engineering Constructions

Saipem Star-1 boost floating offshore wind applications to wind farms and decarbonisation of oil and gas deep water facilities



Teresa Guzzo
Head of Offshore Wind Business Development
Saipem



Benjamin Mauries
Floating Wind Product Manager
Saipem

Emerging solutions in offshore ammonia onboard power generation



Natalia Pierozzi
Technical Manager, Energy Transition Global Strategic Stream
RINA

Roadmaps to Net Zero Conference Day Three
Wednesday 3 July 2024

11:00-12:00 | Lower carbon transport of goods and people | RoadMaps to Net Zero Theatre

Moderator:



Martyn Link
Managing Director
Link Advisory Services

Analysing the consumer base required to locally supply feedstock necessary to run a 60 kt/y Sustainable Aviation Fuel plant



Marco Bonvini
Fuels & Chemicals Licensing & Business Development Director, NextChem Tech
NEXTCHEM

Assessing present and future ways to reduce the greenhouse gas footprint of the LNG carrier fleet



Carlos Guerrero
Global Market Leader Gas Carriers
Bureau Veritas Marine & Offshore

Honeywell UOP and HIF Global are powering an eFuels future



Leigh Abrams
Director, Emerging Renewable Fuels
Honeywell UOP



Michael Macdonald
Technology Lead
HIF Global

12:00-13:00 | Waste and bio-solutions in focus | RoadMaps to Net Zero Theatre

Moderator:



Murtaza Gandhi
Principal Engineer
BakerRisk

Achieving a net negative CO2 pathway for bio-based polymer production



Godofredo Follmer
MD
Lummus Novolen Technology

The role of biogas and biomethane in supporting our energy transition targets



Luigi Crolla
Group Manager, Energy Transition Technologies
Kent

From flaring to fortune, from coal to clean: Using plasma to transforms waste into clean profits



Paul Hudson
Business Development Director – EMEA
Transform Materials

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Project X-Change

The GET Project X-Change conference showcases the world's leading multi-stakeholder and decarbonisation projects.

12:00-12:30	The world's leading hydrogen projects – part 1	Project X-Change Theatre

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

NEOM Green Hydrogen Project: The world's largest hydrogen facility powered entirely by renewable energy

Project partners: **ACWA Power, Air Products, NEOM**
FID: **Yes**



Yako Wijnands
VP, Operations
NEOM Green Hydrogen Company

Arrowsmith Italy VPGH2

Project partners: **Infinite Green Energy**
FID: **No**



Stephen J. Gauld
Chief Executive Officer
Infinite Green Energy Italia

13:00-13:15	The world's leading hydrogen projects – part 2	Project X-Change Theatre

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

GetH2 Nukleus: A 200MW green hydrogen project

Project partners: **ITM, Linde Engineering, Linde Gas, RWE**
FID: **Yes**



Serena Ditroia
Sales Project Manager – Hydrogen Plants
Linde

14:00-14:30 | Lowering carbon, lowering costs | Project X-Change Theatre

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

The FlagshipONE carbon capture project

Project partners: **Alfa Laval, Carbon Clean, Liquid Wind, Ørsted, Siemens Energy, TOPSOE, Worley**
FID: **Yes**



Aniruddha Sharma
CEO & Co-founder
Carbon Clean

Fostering sustainability through innovation: An in-depth analysis of EthosEnergy's EcoView™ Life Cycle Assessment

Project partners: **EthosEnergy**
FID: **Yes**



Laura Gabrielli
Sustainability Specialist
EthosEnergy

15:00-15:30 | New lower carbon solutions showcase | Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Innovations in small modular reactor technology

Project partners: **Assystem, ENEA, Enel, Fincantieri, France 2030, Ingérop, MAIRE, newcleo, Onet Technologies, RINA, Walter Tosto**
FID: **Yes**



Alberto De Min
Chief Business Officer
newcleo

CoolCycle Project: Cleaner cooling solutions for underserved communities

Project partners: **Carbon Trust, Kamim Technologies, UK Government, Youth Sustainable Development Network**
FID: **Yes**



Nana Serwaa Antwi
Research Associate
Youth Sustainable Development Network

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16:00-16:30	Waste and excess energy solutions in focus	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Largescale, multisite deployment of turboexpanders

Project partners: **Sapphire Technologies, Tallgrass Energy**
FID: **Yes**



Ayman Zeitoun
Vice President, Sales
Sapphire Technologies

Baseload Power Hub: Offshore green hydrogen production and storage

Project partners: **CrossWind, Eneco, Rosetti Marino, Shell**
FID: **Yes**



Fabio Iarocci
CEO
Fores Engineering

17:00-17:15	Waste heat technologies showcase	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Energy from waste heat

Project partners: **Exergy International**
FID: **Yes**



Riccardo Pezzoni
Proposal Department Manager
Exergy International

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10:00-10:30	Hard-to-abate industry decarbonisation projects	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

The Helios Cycle Pilot Project: Zero carbon production of iron from iron ore

Project partners: **Anglo American, Helios, TechEnergy**
FID: **Yes**



Jonathan Geifman
Founder and CEO
Helios

Carbon2Business-Laegerdorf: The world's first carbon neutral cement plant

Project partners: **Holcim Deutschland, Polysius, ThyssenKrupp**
FID: **No**



Sven Weidner
Project Director C2B-LD
Holcim

11:00-11:15	Green steel in focus	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Hydrogen innovative plants and related processes for the production of green steel in Europe: HYDRA IT06

Project partners: **Italian Ministry of Enterprises and Made in Italy, RINA Consulting**
FID: **Yes**



Dr Filippo Cirilli
Deputy Manager
RINA Consulting – Centro Sviluppo Materiali

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12:00-12:45	Decarbonisation journeys in Sub-Saharan Africa	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Eni Agri Feedstock: The Kenya project

Project partners: **Eni, Eni Kenya**
FID: **Yes**



Federico Grati
Resp Agri Feedstock
Eni

The Nigeria Electrification Projects

Project partners: **African Development Bank, Central Bank of Nigeria, Office of the Accountant General of the Federation (Nigeria), Office of the Auditor General for the Federation (Nigeria), Nigerian Ministry of Finance, Nigerian Ministry of Power, Rural Electrification Agency (Nigeria), World Bank**
FID: **Yes**



Tobi Ogunlesi
Project Manager
Nigeria Electrification Projects

12:00-12:45	Decarbonisation journeys in Sub-Saharan Africa (cont.)	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Energised hubs for peace and women's empowerment in Mozambique

Project partners: **Mozambique Women of Energy**
FID: **YES**



Taciana Peão Lopes
Co-founder
Mozambique Women of Energy

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Project X-Change Conference Day Two
Tuesday 2 July 2024

13:00-13:30 | Lower carbon energy infrastructures | Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

The world's largest CO2 Liquefaction plant under execution

Project partners: **Big Ammonia Company, Linde**
FID: **Yes**



Jan Bangert
Head of Sales & Products
Linde

How a Canadian ferry operator slashed the well-to-wake carbon intensity of its vessels by 90%

Project partners: **Seaspan Ferries, Wärtsilä**
FID: **Yes**



Stefano Furlan
General Manager,
Opportunity Management
Wärtsilä

14:00-14:30 | The Ravenna carbon capture project | Project X-Change Theatre

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

Ravenna CCS phase 1

Project partners: **Eni, Snam**
FID: **Yes**



Pasquale Paolo Murmura
Development Project Manager
Eni

Ravenna CCS phase 2

Project partners: **Eni, Snam**
FID: **No**



Paolo Testini
Director CCS and Carbon Removal Development
Snam

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15:00-15:30	Greener power and fuels	Project X-Change Theatre

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

Protos: The world's first commercial scale municipal waste-to-biofuels project

Project partners: **Advanced Biofuel Solutions Ltd, Wood**
FID: **No**



Marianna Mercogliano
Senior Technical Process Engineer
Wood

Hydrogen in the power sector

Project partners: **Clean Air Taskforce**
FID: **N/A**



Ghassan Wakim
Technical Director – Industrial Decarbonisation
Clean Air Task Force

16:00-16:30	The evolving ammonia value chain	Project X-Change Theatre

Moderator:



Eithne Treanor
Founder and CEO
ETreanor Media

Fuelling the future: Green ammonia as the runway to the clean energy revolution

Project partners: **MAIRE**
FID: **Yes**



Alberto Litta Modignani
Hydrogen VP, NextChem Tech
NEXTCHEM

Integrating ammonia fuelled ships into the ammonia value chain

Project partners: **ITOCHU Corporation**
FID: **No**



Takeo Akamatsu
GM, Green Innovation Business Unit
ITOCHU Corporation

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Project X-Change Conference Day Three
Wednesday 3 July 2024

10:00-10:30 | Energy transition industry clusters and collaborative expertise | Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

ReOil Programme: Recycling waste plastics

Project partners: **OMV, Wood**
FID: **No**



Giancarlo Gentile
Principal Process Engineer
Wood



John Young
Head of Technology Licensing
OMV

Olbia EnerClima 2050

Project partners: **BB Energy, Fiamma2000, Olbia LNG Terminal Srl, Vittorio Marzano**
FID: **No**



Antonio Nicotra
Partner & COO
Olbia LNG Terminal Srl

11:00-11:30 | Wind and water in focus | Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

Offshore green hydrogen production for a just energy transition

Project partners: **TBP Energy**
FID: **No**



Ribi Adeshokan
Director
TBP Energy

The Aerothermie project: Looking to the future of windthermal energy

Project partners: **German Aerospace Center**
FID: **No**



Malte Neumeier
Manager Energy & Mobility
Plenum Management Consulting



Alexander Bagdahn
Project Manager - Aerothermie
German Aerospace Center

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12:00-12:30	Decarbonisation in the age of big data	Project X-Change Theatre

Moderator:



Jurriaan Kamp
Author and Broadcaster

CALMS: A compressed air management system

Project partners: **CALMS Air Inc**
FID: **Yes**



Gorazd Bregar
CEO
CALMS Air Inc

Perseus: A multi-sector collaboration to automate sustainability reporting

Project partners: **Bankers for Net Zero, Icebreaker One**
FID: **Yes**



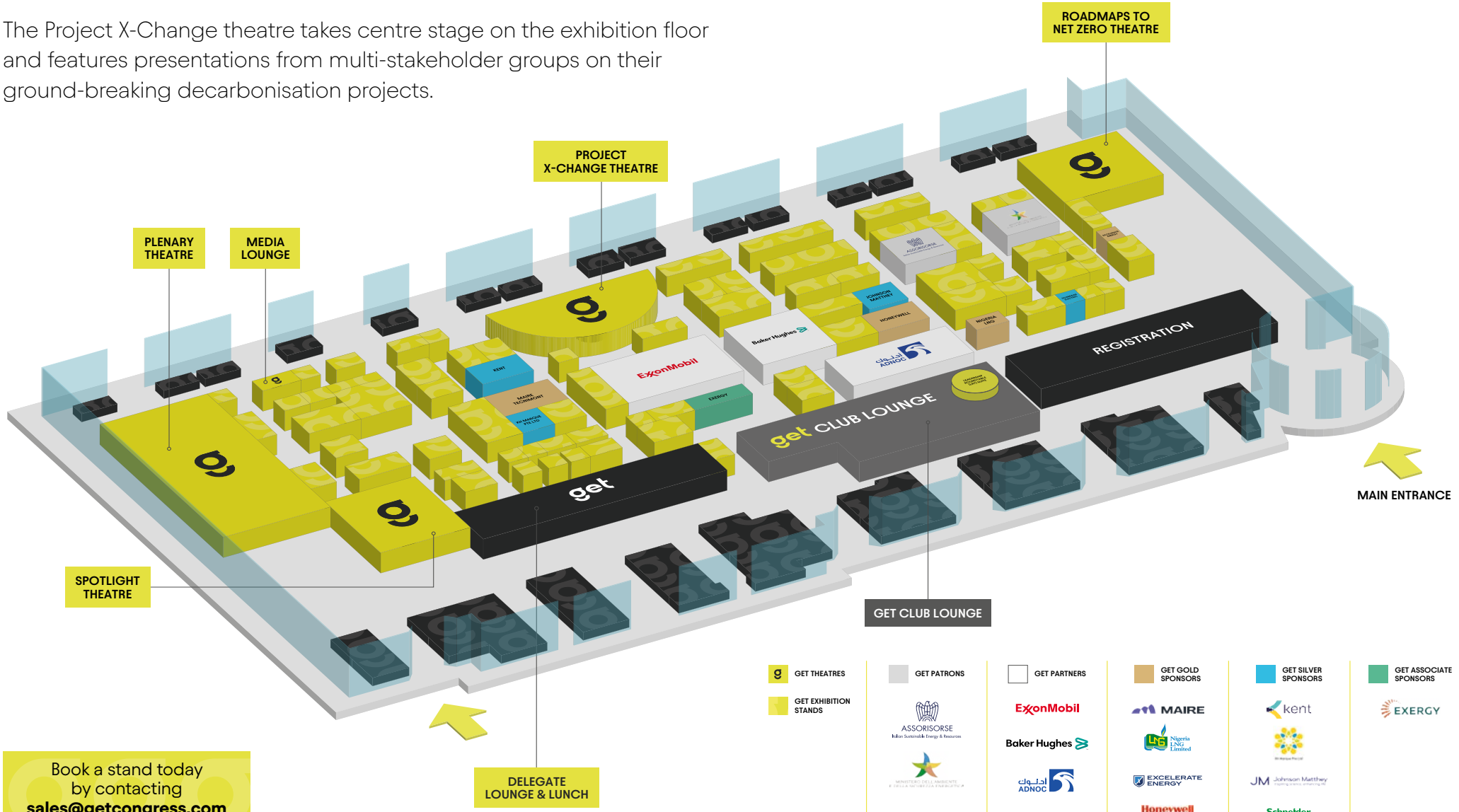
Gavin Starks
Founder & CEO
Icebreaker One

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