



أديبك
نادي الشرق الأوسط للطاقة
Middle East Energy Club

Host



ADIPEC Leadership Roundtables

4-7 November 2024
Abu Dhabi, UAE



Leadership Roundtables Hosts and Partners

Leadership Roundtable hosts

The logo for ABB, consisting of the letters 'ABB' in a bold, red, sans-serif font.The logo for MDC GROUP, featuring a stylized blue and black 'MDC' with 'GROUP' in a smaller, black, sans-serif font below it.The logo for OGDC, featuring the letters 'OGDC' in a bold, green, sans-serif font, with the tagline 'THE OIL & GAS DECARBONIZATION CHARTER' in a smaller, black, sans-serif font below it.

Leadership Roundtable content partners

The logo for BCG, consisting of the letters 'BCG' in a bold, green, sans-serif font.The logo for Deloitte, consisting of the word 'Deloitte' in a bold, black, sans-serif font, with a small green dot at the end.The logo for KPMG, featuring the letters 'KPMG' in a bold, blue, sans-serif font, with a stylized graphic of four white squares above the 'M'.The logo for SIAPARTNERS, consisting of the word 'SIAPARTNERS' in a bold, black, sans-serif font, with a green checkmark-like symbol at the end.The logo for S&P Global, featuring a horizontal line above the text 'S&P Global' in a bold, black, sans-serif font.The logo for Wood Mackenzie, featuring a stylized blue and black 'W' icon followed by the words 'Wood Mackenzie' in a bold, black, sans-serif font.

Welcome

Access to energy is fundamental to driving global prosperity, fostering economic growth, and empowering individual livelihoods. As we continue to navigate one of the defining challenges of our time – ensuring that energy is secure, equitable, and sustainable for all – ADIPEC remains central to advancing energy transformation.

This year, we are proud to celebrate a significant milestone: 40 years of energy leadership. Over the past four decades, ADIPEC has evolved into the world's leading platform for fostering collaboration and innovation across the energy ecosystem. Recognising that global challenges require global solutions, ADIPEC 2024 is dedicated to driving collective action that will accelerate the energy transition and deliver meaningful global impact.

At the heart of this year's event is a special focus on the intersection of energy and artificial intelligence (AI). ADIPEC will explore how AI can unlock transformative solutions to power a lower-carbon, higher-growth future for energy. We will bring together industry leaders to examine innovative solutions that balance AI's energy consumption with the sector's decarbonisation goals, ensuring both AI-driven innovation and a sustainable energy future. By encouraging disruptive thinking and innovation, we strive to support today's industry while laying the foundation for the breakthroughs of tomorrow.

A cornerstone of ADIPEC, the Leadership Roundtables will convene a distinguished group of policymakers, ministers, and innovators. These roundtables provide an important space for open, impactful dialogue that transforms ideas into action and drives the global energy transition forward.

These roundtables are designed to foster the exchange of transformational strategies, catalyse global partnerships, and enable high-impact solutions that guide us towards a more secure, inclusive, and sustainable energy future.

I hope your time at ADIPEC 2024 is both productive and inspiring as we work together to shape the future of energy. I look forward to connecting with you in Abu Dhabi and hearing your perspectives on the critical topics being discussed during the ADIPEC Leadership Roundtables.



CHRISTOPHER HUDSON
President
dmG events



About

The energy industry continues to evolve and constantly adapt to geopolitical challenges, economic volatility, and ongoing energy supply challenges, all while prioritising next-generation energy solutions. The imperative for a clear strategy toward low carbon solutions and investment in clean technologies continues to be a priority even as urgent energy security concerns remain at the forefront.

Additionally, finance and investment, Artificial Intelligence (AI), technology and talent are critical, as they will enable progress and drive the required sustainable growth for the energy sector.

This year's exclusive Leadership Roundtables will facilitate in-depth discussions, insights, and networking opportunities centred on the most pressing challenges in the energy sector. Key stakeholders—including policymakers, energy leaders, and industry professionals—will convene to explore essential trends and opportunities that can drive the transition to a sustainable energy future.

Programme

Monday, 4 November 2024
15:30 - 17:00

Energy transition, AI and the role of emerging economies

Hosted by



Knowledge Partner

S&P Global

Tuesday, 5 November 2024
09:00 - 10:30

Low-carbon strategies in the race to net-zero

Hosted by



Knowledge Partner

Deloitte.

Tuesday, 5 November 2024
11:30 - 13:00

Cross-border energy trade: making transition possible

Hosted by



Knowledge Partner

BCG

Tuesday, 5 November 2024
14:00 - 15:30

The Oil & Gas Decarbonization Charter

Hosted by



Tuesday, 5 November 2024
16:30 - 18:00

Hydrogen: scaling up production and creating demand

Hosted by



Knowledge Partner



Supporting Association



Monday, 4 November 2024
12:30 - 13:30

Fostering market stability, maintaining energy security and reducing emissions with technological innovation

Hosted by



Wednesday, 6 November 2024
09:00 - 10:30

How can climate technologies help scale decarbonisation across the energy system?

Knowledge Partner



Wednesday, 6 November 2024
11:30 - 13:00

Mobilising capital to fund the energy transition

Knowledge Partner



Wednesday, 6 November 2024
14:00-15:30

Cross-sector partnerships: driving transformation across industries

Hosted by



Knowledge Partner



Wednesday, 6 November 2024
16:30 - 18:00

Natural gas and LNG: balancing demand, sustainability and market dynamics

Knowledge Partner



Wednesday, 6 November 2024
12:00 - 13:30

Future talent: investing in the leaders of tomorrow

Knowledge Partner



MONDAY, 4TH NOVEMBER 2024 | 15:30 - 17:00

Energy transition, AI and the role of emerging economies

Hosted by



Knowledge Partner

S&P Global

The world is changing; the energy transition is shaping markets, and the use of new clean energy sources is rapidly increasing, in the forms of renewable energy like wind, solar, hydro and other energy sources such as hydrogen, etc. In addition, AI is taking shape as both a challenge and an opportunity, allowing industries and governments to fully leverage many of its benefits on predictive maintenance and efficiency, whilst at the same time dealing with the challenges of data access and power usage.

Emerging economies play a crucial role in terms of economic growth, market expansion, global trade, innovation and investment; for emerging economies the energy transition will support their sustainable economic development and climate targets, and as they emerge, AI can help overcome developmental challenges, improve efficiency, and accelerate growth, advancing a more inclusive and equitable global economy.

Governments play a key role in setting policies to facilitate the transition as their actions can support the growth of new technologies, such as AI, and at the same time create frameworks for the wide adoption of low carbon energy sources.

Attendee insights

This Leadership Roundtable will focus on key priorities for the energy transition, how energy markets are evolving to meet demands, the role of AI in transforming the energy industry, and the significance of emerging markets for the global economy.

Host



**His Excellency Suhail
Mohamed Al Mazrouei**
Minister of Energy and
Infrastructure
United Arab Emirates

Moderator



Dr. Daniel Yergin
Vice Chairman
S&P Global

MONDAY, 4 NOVEMBER 2024 | 12:30 - 13:30

Fostering market stability, maintaining energy security and reducing emissions with technological innovation

Hosted by



Narrative Despite the urgency around energy transition, most industries within the energy sector are significantly behind in the deployment of low emission technologies at the scale required to reach net-zero emissions by 2050, with some estimates suggesting only about 10% of the needed deployment is in place today. To facilitate this transition in tandem with increased energy access globally, challenges must be addressed across technology capabilities, infrastructure requirements, innovation gaps and industry-specific hurdles, for instance, heavy industry. In parallel, however, progress and opportunities are emerging in relation to renewable energy growth, EV adoption and energy efficiency improvements. To accelerate the deployment of low emission technologies, action will be needed across technology research, development and modelling investment; rapid clean energy infrastructure scale; facilitating policy development; enhanced global cooperation and knowledge sharing as well as near-term efficiency improvements and long-term technology development.

Attendee insights

This Leadership Roundtable will address energy security, sustainability and future demand; it will also address the critical partnerships needed to accelerate the technology innovation needed to stay on track for a realistic net-zero future.

Host



**His Excellency Haitham
Al-Ghais**
Secretary General
OPEC

Moderator



Chris Young
Managing Director
KPMG

TUESDAY, 5 NOVEMBER 2024 | 11:30 - 13:00

Cross-border energy trade: making transition possible

Hosted by



Knowledge Partner



In the context of global efforts to mitigate climate change, the role of cross-border energy trade has emerged as a pivotal factor. Countries are recognising that collaboration beyond national borders can enhance energy security, optimise resource utilisation, and support the transition to a low-carbon economy. The integration of renewable energy sources such as solar, wind, and hydropower into this framework is not only essential for reducing greenhouse gas emissions but also crucial to ensure a sustainable and resilient energy future.

This Leadership Roundtable discussion will explore the multifaceted dimensions of this critical issue. Participants will delve into the technical, economic, and regulatory challenges that must be addressed to facilitate effective cross-border energy cooperation. The discussion will also highlight successful case studies and innovative solutions that have been implemented to overcome these barriers.

The dialogue would be a convening platform to discuss the developments of regional energy markets, the harmonisation of grid infrastructure, and the role of policy frameworks in promoting cross-border energy trade. Additionally, the session will examine the impact of technological advancements in energy storage and smart grid systems on enhancing the efficiency and reliability of cross-border energy exchanges.

Attendee insights

This leadership roundtable aims to foster a comprehensive dialogue on how to enable and harness the full potential of cross-border energy trade and power system integration. The insights and recommendations gathered from this discussion will be invaluable for shaping future strategies and policies aimed at achieving a sustainable energy transition on a global scale.

Host



En. M Jukris Abd Wahab
EVP & CEO Upstream
PETRONAS

Moderator



Jamie Webster
Partner & Associate Director,
Center for Energy Impact
Boston Consulting Group

TUESDAY, 5 NOVEMBER 2024 | 09:00 - 10:30

Low-carbon strategies in the race to net-zero

Hosted by



Knowledge Partner

Deloitte.

Low-carbon solutions offer companies the opportunity to significantly reduce emissions, accelerate their net-zero journeys, and build strategic roadmaps for the decarbonisation of their businesses and operations. From carbon capture and electrification to low-carbon hydrogen and renewables, the industry can seize new opportunities for investment and portfolio diversification. Ultimately, this can lead to the development of new business and operating models that support the creation of these capabilities.

Companies that prioritise the development of their organisational capabilities in low-carbon solutions (LCS) will be better positioned to fully capitalise on this opportunity, while those that do not risk falling behind. Regardless of the progress made in their journey, leaders should consistently keep three priorities in mind over the coming years. First, they should explore new go-to-market strategies and new business models through innovative partnerships and venturing. Second, increasing organisational flexibility to accommodate new low-carbon businesses is essential. Finally, hiring and upskilling talent will be crucial for scaling up the business.

Attendee insights

Gain insights into the role of low-carbon solutions on the path to decarbonisation and the opportunities companies can encounter in this market.

Host



Anna Mascolo
Executive Vice President
Low Carbon Solutions
Shell

Moderator



Tarek Helmi
Global Hydrogen Leader and
North & South Europe Energy
and Chemicals Leader
Deloitte

TUESDAY, 5 NOVEMBER 2024 | 14:00 - 15:30

The Oil & Gas Decarbonization Charter

Hosted by



Launched at COP28 by Dr. Sultan Al Jaber, the Oil & Gas Decarbonization Charter (OGDC) represents a major step forward in the oil and gas industry's efforts to advance the energy transition and reduce greenhouse gas emissions from oil and gas operations.

The OGDC aims to be inclusive and collaborative, striving to motivate oil and gas companies to join the industry's decarbonisation effort, to help speed up action and encourage learning.

Marking one year since launch, this private, invitation only roundtable will gather executives from oil and gas companies, to discuss challenges to decarbonisation of the oil and gas industry, and potential areas for collaboration / joint climate action between oil and gas companies, beyond OGDC membership, for further exploration in the short and medium term (e.g. 2025 to 2030).

Attendee insights

Participants in the room will have the opportunity to review and comment on the 2024 OGDC progress report, under embargo till publication at COP29.

TUESDAY, 5 NOVEMBER 2024 | 16:30 - 18:00

Hydrogen: scaling up production and creating demand

Hosted by Knowledge Partner Supporting Association



Realising the potential for hydrogen could yield substantial advantages for the energy sector, the environment, and businesses worldwide. It is estimated that incorporating hydrogen into the global energy system could prevent 6 gigatons of CO2 emissions, generate a \$2.5 trillion market for fuel cell technologies, and create sustainable jobs for more than 30 million individuals. To establish hydrogen as a crucial component in the energy transition, significant scaling over the next decade is essential. Policymakers and business leaders should focus on creating demand, developing infrastructure, and scaling up production. According to a survey conducted by BCG, offtake and merchant risks are the highest concern for banks when considering backing hydrogen and CCUS projects.

Reducing costs and addressing risks related to offtake, regulations, water security, and project bankability are key factors that must be tackled to accelerate hydrogen's role in the energy transition. Moreover, with electrolyzers produced in China being 75% cheaper than their Western counterparts, it is essential to develop a coordinated global approach to balance cost disparities. Understanding and fostering international cooperation is critical to enabling large-scale hydrogen production and distribution.

Attendee insights

Explore the critical actions required to scale hydrogen, including creating demand and understanding how early investments are essential for building large-scale infrastructure for distribution and expanding production.

Host



Peter Terwiesch
President, Process
Automation
ABB

Moderator



Mogens Holm
Partner & Associate Director
Boston Consulting Group

WEDNESDAY, 6 NOVEMBER 2024 | 09:00 - 10:30

How can climate technologies help scale decarbonisation across the energy system?

Knowledge Partner



Climate technology is one of the most critical drivers of the decarbonisation and the energy transition in 2024. Leaders must prioritise and expand the adoption of climate technologies to foster sustainable growth for their organisations and ensure a resilient future for our planet.

As the need to reach net-zero becomes more pressing, companies are increasingly seeking new strategies to contribute to the solution. Cloud-powered innovations can accelerate the implementation of nearly 50% of the decarbonisation initiatives necessary to meet a 1.5°C trajectory by 2050.

With most businesses now racing to reduce their carbon emission and energy accounting for more than 75% of total GHG emissions globally, investing in climate technologies to decarbonise the energy system is becoming increasingly critical. Meeting this challenge will require a thorough examination of technologies available with the full realisation that no technology can be the magic wand. Today, we have many of the technologies needed to achieve decarbonisation. The challenge now is accelerating innovation and scale-up to achieve technical and commercial breakthroughs.

Attendee insights

This Leadership Roundtable will explore how technology can accelerate decarbonisation strategies. As climate technologies emerge as an essential component of the solution, leaders must act swiftly and decisively to adopt and scale these innovations at an unprecedented rate. Topics will include capital investment needs, scaling economics, requirement for subsidies, regulations, role of private capital, environmental impacts, and beyond.

Moderator



Wafa Jafri
Partner
KPMG UK

WEDNESDAY, 6 NOVEMBER 2024 | 11:30 - 13:00

Mobilising capital to fund the energy transition

Knowledge Partner



Achieving net-zero emissions by 2050 necessitates a significant acceleration in clean energy transition investments, increasing from current levels to approximately USD 4 trillion annually by 2030. To unlock this clean energy investment, it is crucial to secure funding from both local and international sources. While international investors may find it easier to back large, bankable projects—such as renewable energy facilities with long-term contracts—enhancing connections between financial markets and end-use decarbonisation projects is essential. Additionally, building capacity for local currency fundraising is particularly important in emerging markets and developing economies.

Attendee insights

This Leadership Roundtable will emphasise the critical role of finance in fostering climate resilience and mobilising capital for clean energy initiatives, thereby accelerating the global shift towards sustainable energy solutions. The discussions will centre on the importance of transition finance in fostering climate resilience and facilitating a low-carbon future.

Moderator



Martha Vasquez
Partner & Associate Director
Boston Consulting Group

WEDNESDAY, 6 NOVEMBER 2024 | 14:00 - 15:30

Cross-sector partnerships: driving transformation across industries

Hosted by



Knowledge Partner



A successful transition necessitates collaborations across various sectors, including heavy emitting sectors, uniting knowledge, skills, and resources. To date, more than 70 governments have committed to achieving net-zero carbon emissions by 2050, showcasing a genuine investment and dedication to the energy transition. Hydrogen, CCUS, Sustainable Fuels, and other technologies have been the focus for some clean energy collaborations, while other transport sectors, like maritime shipping, are also advancing by working alongside energy organisations. However, these partnerships should not be restricted to energy companies alone. One of the initial steps toward decarbonisation will involve methane reduction, which spans multiple industries, including oil and gas, agriculture, and waste management. Additionally, the implementation of smart technologies—such as electrification, low-emission hydrogen, and carbon capture, utilisation, and storage—will require substantial infrastructure.

According to a KPMG report, there is a rise in cross-sector partnerships to enable disruption of traditional business models, breaking down industry silos and static frameworks to create fluid, seamless and dynamic businesses of the future. To facilitate these partnerships, it is essential to create opportunities that encourage strategic dialogues and enhance synergies across sectors.

This Leadership Roundtable aims to establish a significant platform for decision-makers, business leaders, and innovators, enabling them to convene around innovative solutions and technologies that will make a lasting impact and shape the global energy agenda.

Attendee insights

Understand more about how collaboration between sectors, industry leaders, policymakers, and innovators is key to develop a responsible and sustainable energy transition and consider lessons from experience to date.

Host



Eng. Yasser Zaghoul
Group CEO
NMDC

Moderator



Chris Young
Managing Director
KPMG

WEDNESDAY, 6 NOVEMBER 2024 | 16:30 - 18:00

Natural gas and LNG: balancing demand, sustainability and market dynamics

Knowledge Partner



Natural gas and LNG are anticipated to play a crucial role in the energy transition due to its wide range of applications. Global demand for natural gas is expected to grow beyond 2030 before beginning to decline as the energy transition continues. However, demand for gas may fluctuate significantly across different regions, influenced by factors such as technology adoption, local policies, and geopolitical dynamics.

LNG is likely to be instrumental in bridging the gap between supply and demand in geographically disparate markets. Projections indicate that global LNG demand could increase by more than 50% by 2040, driven by a shift from coal to gas in China and the growing use of LNG in South Asian and Southeast Asian countries to support their economic development.

Despite these trends, several key uncertainties could shape the market's evolution such as technology innovation, geopolitical challenges and an increase in gas flows to Europe might lead to a surplus in global LNG supply.

Monitoring these uncertainties will be essential for staying informed about key developments in the LNG and the natural gas market.

Attendee insights

Explore the future for natural gas and LNG, the emerging technologies that could transform this industry, as well as financing opportunities for gas and LNG through the energy transition.

Moderator



Simon Flowers
Chairman, Energy
and Chief Analyst
Wood Mackenzie

THURSDAY, 7 NOVEMBER 2024 | 12:00 – 13:30 | CONFERENCE HALL A

Future talent: investing in the leaders of tomorrow

Knowledge Partner

SIAPARTNERS

To succeed in the energy transition, having skilled talent is crucial, as demand for such expertise is expected to rise in the coming years. As the energy transition progresses, many current energy leaders will be stepping aside, creating opportunities for emerging leaders to rise and take charge. It is essential that the perspectives, aspirations, values, and visions of this upcoming generation are amplified. The integration of digital skills and a digital mindset will be extremely important for these leaders, enabling them to extract value from emerging opportunities driven by AI and data.

Cultivating the potential of bright young individuals to become the future workforce and pioneers in the energy transition, equipping them with the new skills necessary to fulfil the net-zero agenda is key to achieve the necessary progress for the industry. For these forward-looking visions to become a reality, today's young leaders must be provided with the appropriate platforms and resources to ensure their voices are genuinely acknowledged.

Attendee insights

Gain insights into the importance of climate action, energy equity, digital skills and social empowerment aimed at nurturing the skills of the next generation within the industry. This Leadership Roundtable also seeks to equip the youth with the necessary tools to become future leaders and entrepreneurs in the energy sector. In addition, offers a unique opportunity for young people to learn from, and network with, some of the energy industry's foremost and respected leaders.

Moderator



Diana Vienne

Partner and Head of Human
Capital Practice – New York
City
SIA Partners



ADIPEC Leadership Roundtables

4-7 November 2024

Abu Dhabi, UAE

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