

تحت رعاية صاحب السمو الشيخ محمد بن زايد آل نهيان، رئيس دولة الامارات العربية المتحدة

Under the patronage of His Highness Sheikh Mohamed Bin Zayed Al Nahyan, President of the United Arab Emirates



Host

4-7 November 2024
Abu Dhabi, UAE



TECHNICAL CONFERENCE

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Welcome address from the Technical Conference Programme Chairman

It is with immense pride that I introduce the ADIPEC 2024 Technical Conference, a key pillar of the world's largest energy event. This year, we celebrate a record 5,977 technical submissions, a 16% increase over last year, underscoring ADIPEC's role as a premier forum for innovative dialogue within the global energy sector.

A catalyst for energy action, ADIPEC 2024 seeks to accelerate the delivery of sustainable, secure and equitable energy, aiming to power industry, empower lives and drive global prosperity. The significant increases in submissions for the Energy Transition and Decarbonisation (38%) and AI and Digital Transformation (32%) categories highlight our collective commitment to these critical areas.

As a key part of ADIPEC's portfolio of 10 conferences, the ADIPEC Technical Conference brings together the brightest minds and technical experts from across the energy value chain – the changemakers at the forefront of engineering, technology, and industry innovation.

Organised by SPE, our technical conference features 159 sessions across 12 categories, a testament to the industry's dedication to driving progress. The record number of submissions reflects how our community is actively developing innovations that shape the future of energy. The diverse contributions, including substantial increases from African and Arab states, demonstrate a global commitment to addressing the challenges and opportunities presented by decarbonisation and digital transformation.

I extend my heartfelt thanks to all authors for their pioneering work. Your dedication makes the ADIPEC Technical Conference a crucial platform for advancing a sustainable, secure, and equitable energy future.

We look forward to the inspiring discussions and groundbreaking innovations that will emerge from this year's conference. Together, we can continue to drive progress and shape the future of energy.

Dr. Khaled Abdul Monem Al Kindi
SVP, Upper Zakum, ADNOC Offshore
ADIPEC 2024 Technical Conference Programme Chair

**Join leading technical experts from across the global
energy value chain at the Technical Conference**

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The world's growing energy demand coupled with the commitment to decarbonisation opens doors to huge possibilities and the need for collective technical expertise to pave the way for transformative solutions has never been more pivotal.

Dr. Khaled Abdul Monem Al Kindi
SVP, Upper Zakum, ADNOC Offshore
ADIPEC 2024 Technical Conference Programme Chair

Technical Conference

Technical Conference organised by



The ADIPEC 2024 Technical Conference, organised by SPE, is a meeting place for the world's leading engineers and energy experts - the changemakers driving tangible progress in the energy sector.

By highlighting the concrete achievements of industry pioneers, the conference provides a platform to share the cutting-edge innovations that are reimagining the energy landscape, supporting a global goal to deliver secure, equitable and sustainable energy for all.

With a curated agenda across 159 sessions, attendees will gain unparalleled insights into the practical strategies and technological solutions that are driving the transition, from energy efficiency technologies to the integration of smart grids and carbon capture initiatives.

Book your delegate pass to join 1,100+ global experts at the world's largest technical conference.

DELEGATE CONFERENCE PASS

4 Days Pass

\$1,750

2 Days Pass

\$1,640

Preferential rates are available for SPE Members.
Contact us for further details at delegate@adipec.com



ADIPEC 2024 Technical Conference in numbers

5,977

Abstract submissions

1,062

Submitting companies

621

ePoster presentations

627

Technical presentations

159

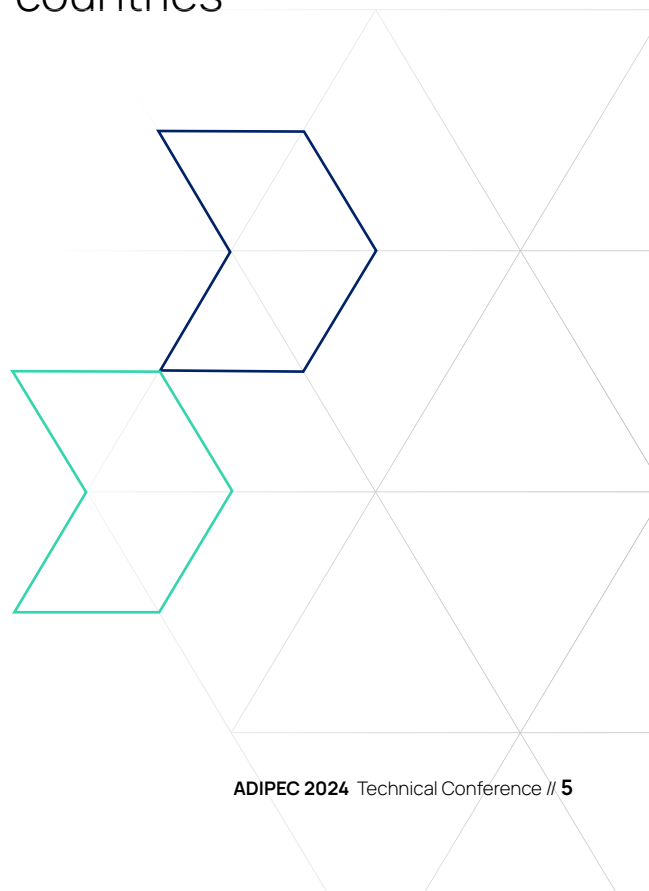
Technical sessions

84

Submitting countries

7

Technical panel sessions



Reasons to attend

The ADIPEC Technical Conference is the ideal place to learn best practices and network with peers through knowledge exchange.

- **World-class expertise:** join one of the world's premier technical conferences to amplify your knowledge.
- **Invaluable insights:** attend seven technical panel sessions for insights on net-zero transition, AI technologies and operational excellence.
- **Expert-led learning:** access practical knowledge on technology from exploration to sustainable development, AI and more.
- **Exclusive conference content:** access technical paper manuscripts during and after the conference.

Meet and network with leading technical experts from across the global energy value chain, including from the following companies:



Join leading technical experts from across the global energy value chain at the Technical Conference

www.adipec.com/conferences/adipec-delegate-registration



2024 Technical Conference categories

As an energy expert, you will have the opportunity to hear 1,100+ speakers address the industry's most topical issues and share the technological advances shaping tomorrow's energy system, in the below categories.



AI and digital transformation



Operational excellence



Completions



People development and diversity



Drilling



Field development



Energy transition and decarbonisation



Geoscience



Marine operations and logistics



Project management



Health and safety



Unconventional resources development

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DELEGATE CONFERENCE PASS

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Technical panel sessions

DAY 1

Monday 4 November 2024

14:00-15:30

Location: Conference Hall A

Leveraging Infrastructure, CCUS, and Clean Hydrogen to Decarbonise Hard to Abate Industries

Decarbonisation of hard-to-abate industries is commercially challenging. It will require technical and operational innovations like optimised and shared infrastructure, use of CCUS, and linkage with clean hydrogen to achieve the targeted reduction in carbon intensity. This technical panel session will explore the current technical status quo, the upcoming novel technical solutions, and the creative partnerships that will address the challenges and opportunities to decarbonise hard-to-abate industries.

Session Panelists:



Prof. Mohammad Abu Zahra
Head of Middle East and Africa
Global CCS Institute



Talal Al-Aulaqi
Vice President
Energy Excellence - Alternative Energy
OQ



Nawal Alhanaee
Director of Future Energy Department
Ministry of Energy and Infrastructure, UAE



Mazri Mohd Ali
Senior General Manager (Group Technical Solutions)
PETRONAS



Pavan Chilukuri
VP / Global Head of CCUS
Holcim



Aaisha Khalfan Al Keebali
Manager, CCUS Commercial Carbon Capture Utilization & Storage
ADNOC

Moderator:

DAY 2

Tuesday 5 November 2024

09:30-11:00

Location: Conference Hall A

Generative AI Integration in the Energy Sector and Its Impact on Efficiency and Profitability

The energy sector is on the cusp of a significant transformation driven by the integration of Generative Artificial Intelligence (AI). This technical panel session will explore the profound implications of this cutting-edge technology. Industry experts will discuss how generative AI models enhance operational efficiencies, optimise resource management, and drive profitability across various energy domains. Based on algorithms that can create new patterns or ideas, mimicking human creativity. This technology can process vast amounts of data to identify patterns and predict outcomes with remarkable accuracy.

This technical panel session will present case studies and real-world applications where generative AI has been successfully integrated to streamline processes, reduce costs, and improve decision-making. Attendees will gain insights into the technical mechanisms behind generative AI, its role in predictive maintenance, process optimisation, and performance management, as well as its potential to revolutionise digital energy systems. Furthermore, the technical panel will address the economic and environmental benefits alongside the challenges and considerations of deploying AI technologies in the energy sector.

Session Panelists:



Khaled Al Blooshi
Vice President, Digital Projects & Innovations
ADNOC



Adel R. Al-Azmi
Manager, Corporate Information Technology Group
Kuwait Oil Company



Ashraf AlTahini
Vice President Upstream Digital Center
Saudi Aramco



Yanni Charalambous
VP & CIO
Oxy



Paul Madero
Senior Vice President Production Solutions
Baker Hughes



Sujit Kumar
Director Digital Production and Edge
SLB



Wael Ziadat
Vice President, Middle East and North Africa
Corva.ai

Moderator:

11:30 - 13:00

Location: Conference Hall A

CO₂ Storage and Utilisations: Advancements and Game Changers Enablers

As our world's energy demand continues to grow, along with energy transition journey being taken by countries and organisation within the sector, it becomes more crucial to further boost and unlock cleaner and more efficient mix of energy resources.

CO₂ Capture, Utilisation and Sequestration (CCUS) is a key component within the solutions portfolio to maximise the value of existing resources while meeting the energy outlook requirements. Advancements in relevant technologies for capture and monitoring are among the focus areas to unlock the full value from sustainability and commercial aspects. These technologies expand from capture aspects and process, through transportation and ends by permanent subsurface storage with the right technologies to monitor and provide the assurance requirements. In addition to the technology, partnership and synergy opportunities including academia and institution will be part of the magical recipe to progress forward in such important domain. These will be demonstrated through actual projects and examples within the industry.

In this technical panel, we will discuss, share and debate the main advancements and game changer enablers to realise more CCUS projects within near future. Various examples of how CO₂ relevant technologies, policies and partnership opportunities are progressing and pushing the boundary limits to realise the full value of CCS within energy transition journey.

Session Panelists:



Ghaitan A. Al-Muntasheri
Director EXPEC
Advanced
Research Center
Saudi Aramco



Abdullah Al-Mutairi
Manager Production
& Projects (Gas)
Kuwait Oil Company



Damian Beauchamp
President & Chief
Development Officer
8 Rivers



Alberto Di Lullo
Senior Global
Knowledge Owner -
Facilities Engineering
Eni S.p.A.



Amir Hermes
New Energy Business
Development Manager
SLB



Wei Zhang
Deputy General Manager
of Exploration and
Development Department
China National Offshore Oil
Company



Maged Mabrook
Vice President, Enhanced
Oil Recovery & CO₂
Sequestration
ADNOC

Moderator:

14:00 - 15:30

Location: Conference Hall A

Localising Supply Chain to Future Drive UAE Economic Growth

In the pursuit of economic resilience and sustainability, the United Arab Emirates is focusing on localising its supply chain. This initiative aims to bolster local industries, reduce reliance on international markets, and create a robust economic infrastructure capable of withstanding global fluctuations. By fostering a self-reliant supply chain, the UAE, under the National In-Country Value (ICV) programme endeavours to drive economic growth, generate employment, and enhance the competitiveness of its industries on a global scale. The proposed technical panel will explore the strategies and benefits of localising the supply chain to future-proof the UAE's economic growth and the challenges and opportunities in achieving a self-sufficient supply chain. The panellists will provide insights into policy frameworks, technological advancements, and collaborative efforts needed to realise this vision. This technical panel will serve as a platform for dialogue and knowledge exchange, paving the way for a more prosperous and self-reliant UAE economy.

Session Panelists:



Khaled Al Nuaimi
Vice President
Asset Management
TA'ZIZ



Salama Alawadhi
Director of National in
Country Value (ICV)
Ministry of Industry &
Advanced Technology
MoIAT



Salem Bafaraj
Vice President,
In-Country Value &
Industrial Development
ADNOC



Abhisek Sarkar
Manager - Corporate
Strategy & Business
Excellence
Al Gharbia Pipe
Company LLC



Abdullah Sharafi
Managing Director
Gerab National Enterprises
LLC



Mona Ahmed Balalaa
Manager, Market &
Ecosystem Development
ADNOC

Moderator:

Technical panel sessions

DAY 3

Wednesday 6 November 2024

09:30 - 11:00

Location: Conference Hall A

Foundations of Tomorrow: The Role of AI in Shaping Future Fields and Addressing Today's Needs

In the rapidly evolving technology landscape, Artificial Intelligence (AI) stands at the forefront as a transformative force reshaping the energy industry and addressing contemporary challenges. This technical panel session aims to delve into the multifaceted impact of AI across various sectors, providing reassurance about the industry's future. Esteemed experts will explore how AI innovations are revolutionising fields such as productivity enhancement, operations optimisation, and organisational goal achievement, as well as provide solutions to pressing technological gaps that are economically feasible.

This technical panel session will highlight groundbreaking research, practical applications, and future trends in AI and the digital domain, offering insights into how these advancements are laying the groundwork for a digitally stand business and operations model. Attendees will gain a comprehensive understanding of the current state of AI and digital transformation technologies, their potential to drive significant change, and the ethical considerations essential for responsible AI deployment. This will uncover the pivotal role AI and digital transformation play in shaping the energy industry.

The technical panel session will feature case studies and real-world examples of successful AI implementations in the energy industry, providing valuable insights into best practices and lessons learned. Attendees can expect to gain a thorough understanding of how these cutting-edge technologies are being integrated into operations and decision-making processes, resulting in increased efficiency, cost savings, and improved performance.

Session Panelists:



Saud Said Al Zakwani
Head of Digital Transformation
Petroleum Development Oman



Alaa Elshimy
Managing Director & Senior Vice President
Enterprise Sales Dept.
Huawei Middle East & Central Asia Region
Huawei



Wassim Ghadban
Vice President, Global Innovation & Digital Engineering
KENT



Michel Lutz
Chief Data Officer and Digital Factory Head of Data and AI
TotalEnergies



Dharmesh Mehta
Executive Chairman
Corva



Khaled Al Blooshi
Vice President, Digital Projects & Innovations
ADNOC

Moderator:

11:30 - 13:00

Location: Conference Hall A

Review How Joint Ventures are Facilitating Energy Security

With the demand for a more diverse portfolio of energy, companies and nations are using innovative business models towards sustaining shareholder value and economic growth. New synergies are paving the way for decarbonising traditional energy supplies. Legacy energy companies are forming partnerships with logistics, retail, software and manufacturing industries to create long-term solutions and technologies.

Meanwhile, joint ventures continue to move across international borders. It's always been good business practice to form partnerships in hopes of reducing exposure risk. This remains true with fossil fuels becoming harder to reach in the cleanest way possible. Joint ventures support developing countries secure their energy future with their dedicated partnerships enabling local capability in engineering and science and advance interior infrastructure. These once technically challenged reservoirs are now being developed at rapid pace securing a long-term future while still maintaining the environmental concerns indigenous to the surroundings.

As legacy oil and gas companies become more vertically and horizontally integrated across the value chain, opportunities are limitless in creating win-win scenarios for involved parties. Each of the panel members have participated in drafting joint ventures creating new horizons for their respective businesses and countries. Hear how they successfully implemented their corporate or national strategy towards securing an energy future.

Session Panelists:



Saud Ali Al Jabri
In-Country Value
Development Manager
Petroleum Development
Oman



Jaseem Alnuaimi
Senior Vice President
Mubadala Investment
Company



**Juan Carlos
Gonzalez Bonilla**
Partner - Energy,
Technology
Consulting Leader
Ernst & Young



Stephane Lauzon
Head of Oil, Gas & Energy
SAP Industries
Energy & Utilities



Komson Tachapanich
Senior Vice President
Africa Asset
PTT Exploration and
Production Public
Company Limited (PTTEP)

Moderator:



Narjis Mustafa
JV Projects and Operations
Manager
bp

14:00 - 15:30

Location: Conference Hall A

Unlocking the Unconventional Resources: A Path to Sustainable Economy

Unconventional resources, shale gas & tight oil, offer a remarkable opportunity to reshape the global energy scenario and catalyse economic growth. However, unlocking these resources entails overcoming formidable technical, environmental, and social hurdles that demand inventive solutions and coordination among stakeholders. This technical panel will assess the present condition and outlook of unconventional resource development, emphasising the main enablers, opportunities, and risks involved. The technical panel will also share the best practices and lessons learned from exemplary instances of unconventional resource development around the world, and the ramifications for energy security, climate change, and social responsibility. The technical panel aims to deliver a thorough and impartial overview of the unconventional resource development sector, and to foster a fruitful dialogue among the industry experts.

Session Panelists:



Steve Adiletta
VP Geoscience
Oxy Oil and Gas



Oscar Bustos
Senior Vice President
Unconventional
ADNOC



Anwar Husen Akbar Ali
Vice President
Subsurface &
Petroleum Engineering
NESR



Terry Palisch
2024 President
Society of Petroleum
Engineers and
Vice President
Carbo Ceramics



Shawn Stasiuk
Vice President
Production
Enhancement
Halliburton

Moderator:



Ziad Al Jalal
Technical & Sales Director
TAQA Frac

Technical Conference programme

AI and digital transformation



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Generative AI as a Game Changer I</p> <p>01:00 PM - 02:30 PM Generative AI as a Game Changer II</p> <p>03:00 PM - 04:30 PM Power of Digital Twins in the Energy Sector I</p> <p>03:00 PM - 04:30 PM Power of Digital Twins in the Energy Sector II</p>	<p>08:30 AM - 10:00 AM Applications of Computer Vision in Operations</p> <p>10:30 AM - 12:00 PM Towards Autonomous Operations I</p> <p>01:00 PM - 02:30 PM Towards Autonomous Operations II</p> <p>01:00 PM - 02:30 PM Digital Applications in the Energy Industry</p> <p>03:00 PM - 04:30 PM AI Applications in the Energy Industry I</p> <p>03:00 PM - 04:30 PM Cyber Security and Safety in the Energy Industry</p>	<p>08:30 AM - 10:00 AM AI Applications in the Energy Industry II</p> <p>10:30 AM - 12:00 PM Talent Development and Upskilling in the AI and Digital Domain</p> <p>10:30 AM - 12:00 PM Supply Chain Management with AI</p> <p>01:00 PM - 02:30 PM Innovative Exploration: Leveraging AI in Oil and Gas Discovery</p> <p>01:00 PM - 02:30 PM Applications of AI in Safety</p> <p>03:00 PM - 04:30 PM The Next Wave of AI and Digital Transformation in Oil and Gas</p>	<p>10:30 AM - 12:00 PM Digital and AI to Accelerate Low Carbon, Sustainability, and Energy Transition</p> <p>01:00 PM - 02:30 PM Drilling Optimisation Through AI I</p> <p>01:00 PM - 02:30 PM Data Analytics in Oil and Gas I</p> <p>03:00 PM - 04:30 PM Drilling Optimisation Through AI II</p> <p>03:00 PM - 04:30 PM Data Analytics in Oil and Gas II</p>

Completions



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Well Stimulation—Unconventional</p> <p>01:00 PM - 02:30 PM Well Stimulation—Carbonates</p> <p>03:00 PM - 04:30 PM Well Stimulation—Sandstone</p>	<p>08:30 AM - 10:00 AM Innovations in Well Intervention</p> <p>10:30 AM - 12:00 PM Advanced Completions</p> <p>03:00 PM - 04:30 PM Smart Completion Technologies</p>	<p>08:30 AM - 10:00 AM Upper Completion Technologies</p> <p>10:30 AM - 12:00 PM Lower Completion Technologies</p> <p>03:00 PM - 04:30 PM Downhole Monitoring I</p>	<p>10:30 AM - 12:00 PM Downhole Monitoring II</p> <p>01:00 PM - 02:30 PM Rigless Solutions</p> <p>03:00 PM - 04:30 PM Advancements in Completions—Fluids and Materials</p>

Drilling



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Drilling Technology</p> <p>01:00 PM - 02:30 PM Drilling Optimisation</p> <p>03:00 PM - 04:30 PM Real-Time Monitoring</p>	<p>08:30 AM - 10:00 AM Automation and Remote Operations</p> <p>10:30 AM - 12:00 PM Drilling Environment Challenges</p> <p>10:30 AM - 12:00 PM Directional Drilling and Geosteering I</p> <p>01:00 PM - 02:30 PM Directional Drilling and Geosteering II</p> <p>03:00 PM - 04:30 PM Advances in Downhole Tools and Equipment</p>	<p>08:30 AM - 10:00 AM Advances in Borehole Management</p> <p>08:30 AM - 10:00 AM Case Studies on Drilling Best Practices and Procedures</p> <p>10:30 AM - 12:00 PM Innovations in Well Cementing</p> <p>01:00 PM - 02:30 PM Decarbonising the Drilling Activities</p> <p>03:00 PM - 04:30 PM Innovation in Drilling Fluids and Well Bore Stability</p>	<p>10:30 AM - 12:00 PM Well Control and Well Integrity Innovation</p> <p>01:00 PM - 02:30 PM Evolution in Well Intervention Operations</p> <p>03:00 PM - 04:30 PM Well Design Best Practices</p>

Energy transition and decarbonisation



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Reducing CO2 Emissions in Drilling</p> <p>01:00 PM - 02:30 PM Methane Management: Innovation and Social Responsibilities</p> <p>01:00 PM - 02:30 PM Digitalisation Towards Net-Zero</p> <p>03:00 PM - 04:30 PM Oilfields Electrification, A Roadmap to Sustainability</p>	<p>08:30 AM - 10:00 AM Unleashing the Potential of Energy Efficiency I</p> <p>10:30 AM - 12:00 PM Unleashing the Potential of Energy Efficiency II</p> <p>10:30 AM - 12:00 PM CCS Innovations and Storage Solutions I</p> <p>01:00 PM - 02:30 PM CCUS Evaluation and Optimisation</p> <p>01:00 PM - 02:30 PM Emerging Trends in CCUS R&D</p> <p>03:00 PM - 04:30 PM CCUS Commercialisation and Economics</p>	<p>08:30 AM - 10:00 AM CCUS Study and Assessment</p> <p>08:30 AM - 10:00 AM CCUS R&D II</p> <p>10:30 AM - 12:00 PM CCS Innovations and Storage Solutions II</p> <p>10:30 AM - 12:00 PM Enabling Hydrogen Value Chain</p> <p>01:00 PM - 02:30 PM Hydrogen Technologies R+D I</p> <p>03:00 PM - 04:30 PM Hydrogen Technologies R+D II</p>	<p>10:30 AM - 12:00 PM Accelerating Hydrogen Storage</p> <p>10:30 AM - 12:00 PM Green Energy Generation and Storage</p> <p>01:00 PM - 02:30 PM Innovative Renewable Technologies</p> <p>03:00 PM - 04:30 PM Opportunities in Geothermal Systems and Biomass</p>

Field development



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Data Driven Reservoir Modelling: Case Studies</p> <p>10:30 AM - 12:00 PM Data Driven Reservoir Applications</p> <p>01:00 PM - 02:30 PM Advancements in Rock and Fluid Characterisation</p> <p>03:00 PM - 04:30 PM Advanced Applications in Reservoir Stimulation</p> <p>03:00 PM - 04:30 PM Chemical EOR: Studies and Field Applications</p>	<p>08:30 AM - 10:00 AM Gas-Based EOR Studies and Field Applications</p> <p>08:30 AM - 10:00 AM Applications in Artificial Lift and Well Completions</p> <p>10:30 AM - 12:00 PM CO2 Decarbonisation Strategies</p> <p>01:00 PM - 02:30 PM Emerging Technologies I</p> <p>03:00 PM - 04:30 PM Emerging Technologies II</p> <p>03:00 PM - 04:30 PM Advanced Reservoir Characterisation and Monitoring Case Studies</p>	<p>08:30 AM - 10:00 AM Innovative Oil Development Plans and Case Studies</p> <p>10:30 AM - 12:00 PM Novel Recovery Techniques for Brown Field Development</p> <p>10:30 AM - 12:00 PM Mature Oil Fields Development Challenges and Opportunities</p> <p>01:00 PM - 02:30 PM Oil Field Development Challenges: Marginal Fields, Complex Reservoirs, and Mature Fields</p> <p>03:00 PM - 04:30 PM Innovative Gas Development and Storage Case Studies</p> <p>03:00 PM - 04:30 PM Advanced Integrated Solutions—Unlocking Gas Potential</p>	<p>10:30 AM - 12:00 PM Gas Field Development Challenges: Sour Gas, HP/HT Reservoirs, and Complex Gas Reservoirs</p> <p>01:00 PM - 02:30 PM Water Life Cycle Management and Case Studies</p> <p>01:00 PM - 02:30 PM Reservoir Modelling and Simulation: Challenges and Opportunities</p> <p>03:00 PM - 04:30 PM Novel Approaches for Reservoir Modelling and Simulation</p>

Geoscience



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM State-of-Art in Reservoir Characterisation (SCAL, RRT, Core Integration, PNM, Digital Rock Physics) I</p> <p>01:00 PM - 02:30 PM Structural Geology</p> <p>01:00 PM - 02:30 PM Making Better Decisions: Role of Geoscience in Uncertainty Assessment</p> <p>03:00 PM - 04:30 PM Geostatistics and Geological Modelling</p> <p>03:00 PM - 04:30 PM Making Better Decisions: Data-Driven Analytics Application in Geoscience</p>	<p>08:30 AM - 10:00 AM Advances in AI, Machine Learning, and Automation in Geoscience Applications</p> <p>10:30 AM - 12:00 PM Open and Cased Well Logging Interpretation and Emerging Logging Technologies</p> <p>01:00 PM - 02:30 PM State-of-Art in Reservoir Characterisation (SCAL, RRT, Core Integration, PNM, Digital Rock Physics) II</p> <p>03:00 PM - 04:30 PM Geomechanics</p>	<p>08:30 AM - 10:00 AM Advances in Regional Geology and New Exploration Plays I</p> <p>10:30 AM - 12:00 PM Geoscience Innovations, Breakthrough Technology, and Energy Transitions I</p> <p>01:00 PM - 02:30 PM Advances in Regional Geology and New Exploration Plays II</p> <p>01:00 PM - 02:30 PM Geoscience Innovations, Breakthrough Technology, and Energy Transitions II</p> <p>03:00 PM - 04:30 PM Case Studies of Emerging Geoscience Technologies I</p>	<p>10:30 AM - 12:00 PM Case Studies of Emerging Geoscience Technologies II</p> <p>01:00 PM - 02:30 PM Cutting-Edge in Development of Seismic Processing and Imaging</p> <p>01:00 PM - 02:30 PM Advances in Seismic Reservoir Characterisation (Inversion, 4D) I</p> <p>03:00 PM - 04:30 PM Advances in Seismic Reservoir Characterisation (Inversion, 4D) II</p>

Health and safety



Monday 4 November

01:00 PM - 02:30 PM

Future Forward Innovation
Technology and Best
Practices in HSE
Management

Tuesday 5 November

10:30 AM - 12:00 PM

Green Horizon
Sustainability in Oil and Gas
Operations

Marine operations and logistics



Monday 4 November

10:30 AM - 12:00 PM

Subsea Engineering,
Installation, and Under
Water Technology: EPRS,
Asset Integrity

01:00 PM - 02:30 PM

Subsea Engineering,
Installation, and
Underwater Technology:
Pipelaying and Cable
Laying

Tuesday 5 November

10:30 AM - 12:00 PM

Offshore Marine and
Logistics: Technology and
Innovation

01:00 PM - 02:30 PM

Offshore Marine and
Logistics: Training, Safety,
and Risk Management

Wednesday 6 November

10:30 AM - 12:00 PM

Offshore Marine and
Logistics: Underwater Sub-
Structure Maintenance and
Sea Bed Intervention

01:00 PM - 02:30 PM

Offshore Marine and
Logistics: Environmental
Impacts and Autonomous
Solutions

Thursday 7 November

10:30 AM - 12:00 PM

Offshore Marine and
Logistics: Accelerating
Decarbonisation within the
Marine Logistics Supply
Chain

01:00 PM - 02:30 PM

Offshore Marine and
Logistics: Marine
Engineering, Logistics, and
Technologies

03:00 PM - 04:30 PM

Offshore Marine and
Logistics: Digitalisation in
Marine Logistics



Operational excellence



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Innovative Solutions for Emission Reduction Towards Sustainability</p> <p>01:00 PM - 02:30 PM Advanced Solutions to Process Safety Challenges</p> <p>03:00 PM - 04:30 PM Innovations in Autonomous and Remote Operations</p> <p>03:00 PM - 04:30 PM Water Management Solutions from Well to Surface</p>	<p>08:30 AM - 10:00 AM Pioneering Strategies for Flow Assurance Challenges I</p> <p>08:30 AM - 10:00 AM Maintenance 4.0 Challenges, Technologies, and Innovative Practices</p> <p>10:30 AM - 12:00 PM Pioneering Strategies for Flow Assurance Challenges II</p> <p>01:00 PM - 02:30 PM Well Integrity Challenges, Technologies, and Best Practices I</p> <p>01:00 PM - 02:30 PM Asset Integrity Innovation to Deliver Value</p> <p>03:00 PM - 04:30 PM Driving the Energy Transition—Challenges, Technology, and Innovations</p> <p>03:00 PM - 04:30 PM Well Integrity Challenges, Technologies, and Best Practices II</p>	<p>08:30 AM - 10:00 AM The Iconic Big Data of Asset Integrity</p> <p>08:30 AM - 10:00 AM Integration and Optimisation Operational Excellence Opportunities</p> <p>10:30 AM - 12:00 PM Unlocking Production Constraints</p> <p>01:00 PM - 02:30 PM Future of Operational Excellence I</p> <p>01:00 PM - 02:30 PM Re-Think Beyond Reuse, Reduce, Recycle in Circular Economy</p> <p>03:00 PM - 04:30 PM Economical Rewards of Innovative Practice</p> <p>03:00 PM - 04:30 PM Future of Operational Excellence II</p>	<p>10:30 AM - 12:00 PM Innovation in Operation and Maintenance</p> <p>01:00 PM - 02:30 PM New Technology for High Facility Availability</p> <p>03:00 PM - 04:30 PM LNG Operational Challenges and Pipelines Management</p> <p>03:00 PM - 04:30 PM Facility Management and Asset Performance</p>

People development and diversity



Monday 4 November	Tuesday 5 November	Wednesday 6 November	Thursday 7 November
<p>10:30 AM - 12:00 PM Business Academic Collaboration to Deliver Talent</p>	<p>10:30 AM - 12:00 PM Driving Talent Development Through AI and Technologies</p>	<p>01:00 PM - 02:30 PM Optimising Talent Management (Data Driven Decisions)</p>	<p>10:30 AM - 12:00 PM Shaping Future Talents Through Cultural Shifts</p>

Project management



Monday 4 November

10:30 AM - 12:00 PM

Engineering, Procurement, Construction, Management: Strategies for Successful Project Execution

Tuesday 5 November

08:30 AM - 10:00 AM

AI, Digital Solutions, and Implementation of New Technologies in Capital Projects

01:00 PM - 02:30 PM

Successful Project Execution Strategies and Low Carbon Developments

Wednesday 6 November

08:30 AM - 10:00 AM

Overcoming Challenges Through Project Management Best Practices

01:00 PM - 02:30 PM

Project Assurance and Best Partnership Models

Thursday 7 November

10:30 AM - 12:00 PM

Innovative Solutions in Project Execution

Unconventional resources development



Monday 4 November

10:30 AM - 12:00 PM

Drilling and Completion Challenges and Lessons Learnt

01:00 PM - 02:30 PM

Sustainability Practices

Tuesday 5 November

08:30 AM - 10:00 AM

Evaluation and Reserves

01:00 PM - 02:30 PM

Application of Artificial Intelligence and Machine Learning

Wednesday 6 November

10:30 AM - 12:00 PM

Recovery Enhancement

03:00 PM - 04:30 PM

Reservoir Modelling and De-Risking

Thursday 7 November

10:30 AM - 12:00 PM

Subsurface Characterisation and Integration

01:00 PM - 02:30 PM

Production Management



ADIPEC Conferences

Spanning 10 conferences and over 370 sessions, ADIPEC will provide an inclusive stage for more than 1,800 speakers to address the most urgent global energy challenges.

Under two conference streams -Strategic and Technical - and through 17 Leadership Roundtables, global experts will share their insights and approaches to achieving global energy objectives and drive economic growth and prosperity.

Strategic Conferences

- **Strategic Conference** - The Strategic Conference will convene the energy world's most influential voices, offering diverse perspectives and accelerating action to deliver a just and orderly transition.
- **Decarbonisation Conference** - The Decarbonisation Conference will pool, insights and expertise from the entire global energy ecosystem, creating an inclusive forum dedicated to finding credible solutions that can deliver the energy system of the future, while rapidly decarbonising the energy system of today.
- **Hydrogen Conference** - The Hydrogen Conference recognises the critical role that low-carbon hydrogen solutions will play in delivering a balanced energy transition. Integrating hydrogen solutions at scale will have a transformational impact on decarbonising hard-to-abate sectors while also enabling the integration of renewables into the global energy mix by offering a stable, clean storage option.
- **Maritime & Logistics Conference** - The Maritime & Logistics Conference will convene pioneers, executives and regulators from the shipping world and beyond, fostering dialogues that drive cross-sector progress towards net-zero, shaping the future of global supply chains and reinforcing a collective commitment for both, people and the planet.

- **Finance & Investment Conference - New**
The Finance & Investment Conference leverages global capital markets to advance a lower-carbon, higher-growth world. The programme offers a convening platform for the finance and energy sectors to mobilise capital like never before.

- **Digitalisation & Technology Conference - New**
The Digitalisation & Technology Conference will unlock the opportunities presented by the integration and adoption of Fourth Industrial Revolution technologies, with a special focus on artificial intelligence (AI).

- **Voices of Tomorrow - New**
Voices of Tomorrow provides a meaningful convening platform for leaders from the energy industry, representatives from civil society and champions of diversity and youth, ensuring that the path towards a sustainable energy future is shaped by a truly global community.

Technical Conferences

- **Technical Conference** - Organised by SPE, the Technical Conference brings together the brightest minds and technical experts from across the energy value chain to highlight the strategies and innovations accelerating the transformation of the energy system.
- **Downstream Technical Conference** - The Downstream Technical Conference will accelerate collaboration and partnerships, offering opportunities to gain insights into the transformative strategies and advancements in low-carbon solutions, digital transformation, advanced manufacturing, alternative fuels, project excellence and the wider downstream value chain.

Leadership Roundtables

- At these invitation-only roundtables, decisionmakers who are spearheading the evolution of a responsible energy industry will engage in impactful discussions aimed at accelerating the energy transition. Each conversation will be enriched by specialised expertise and diverse perspectives, transforming discussions into tangible actions, insights into meaningful impacts, and commitments into reality.



أديبيك
ADIPEC



Host

Decarbonising. Faster. Together.

Ministerial Panel



Chairman
Johns Durrant
Partner of Business, EY
Dubai

H.E. Khalid Mohamed Fahad Al Hamoud
Minister of Energy and Infrastructure
United Arab Emirates



H.E. Ali Bayraktar
Minister of Energy and Natural Resources
Turkey



H.E. Sebastian-Lionel Bordeanu
Minister of Energy
Romania



H.E. Sultan bin Ahmed
Minister of Energy
Oman



Join the world's largest energy event

Building on 40 years of energy leadership, ADIPEC 2024, will enable innovation and accelerate action, exploring the intersection of energy and AI to drive the transition and deliver global impact.

Over four days, ADIPEC will convene 184,000+ attendees from varied communities, nations and industries, including the world's largest energy producers and consumers, as well as enablers in government, finance and technology, to find collective solutions to the energy trilemma.

Across more than 10 conferences and 370+ conference sessions, featuring 1,800+ diverse voices, including ministers, CEOs, academics, energy experts and youth, ADIPEC will address how collective energy innovation and action can empower lives and drive global prosperity.

The ADIPEC Exhibition, spanning 16 halls, will provide a platform where the energy world can demonstrate its high-impact solutions, build trusted relationships, and forge the game-changing, cross-sector partnerships needed to deliver secure, equitable and sustainable energy for all.





ADIPEC in numbers

Conference

16,500+
Conference delegates

1,800+
Conference speakers

370+
Conference sessions

10
Conferences

Exhibition

184,000+
Attendees

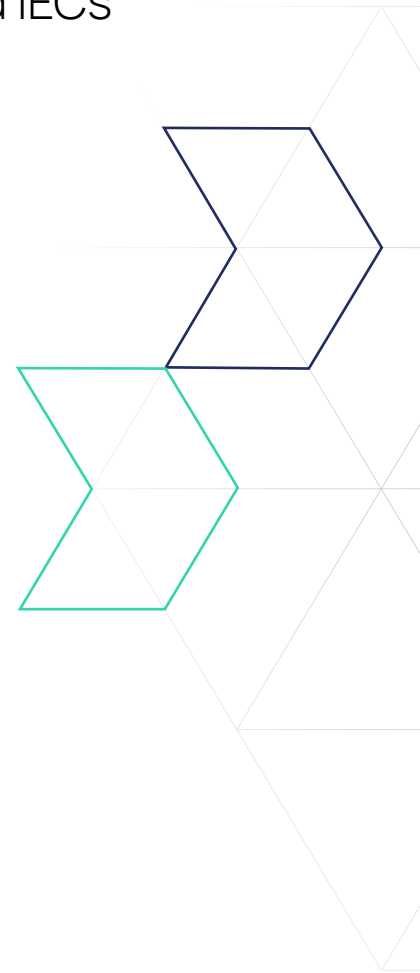
2,200+
Exhibiting companies

54
NOCs, IOCs,
NECs, and IECs

30
Country pavilions

Specialised industry areas at ADIPEC

- Energy^{ai} by ADNOC
- Decarbonisation Zone
- Maritime & Logistics Zone
- Digitalisation Zone



A truly global platform

ADIPEC convenes more than **184,000 energy professionals** from every corner of the world, empowering collective action, sparking innovation and driving partnerships needed to fast-track the energy transition.

Attendee breakdown by region

Middle East

39%

Americas

11%

Asia

22%

Africa

10%

Europe

18%

HALL 12
 Decarbonisation Accelerator

HALL 13 - MARINA
 Maritime & Logistics Zone
 Maritime Innovation Club

ADIPPEC 2024 SALES STAND
 C10 - October Hall 1

DELEGATE BAG COLLECTION
 October Hall 1-2

ENERGY CONNECTS
 C10 - October Hall 1

DELEGATE LUNCH
 October Hall 1

MEZZANINE LEVEL
 C10 Hall 3-2

Decarbonisation, Technical Conference
 Seminar | Capital Markets | U.S. & EU
 • Investor Briefings
 Technical Conference Seminar
 October 1-12
 Technical Conference
 Coffee Break

CONFERENCE HALL A
 Manufacturing & Industrialisation
 Strategy Conference
 Maritime & Logistics Conference
 ADIPPEC 2024 Overview
 Technical Conference Panel Sessions

CONFERENCE HALL B
 Strategy Conference
 Forum for Diversity, Equity
 & Inclusion



ADIPEC

9-6 October 2024
 Decarbonising, Fostering, Together

ADIPPEC 2024
 Decarbonising, Fostering, Together

ADIPPEC 2024
 Decarbonising, Fostering, Together



























A platform for international collaboration

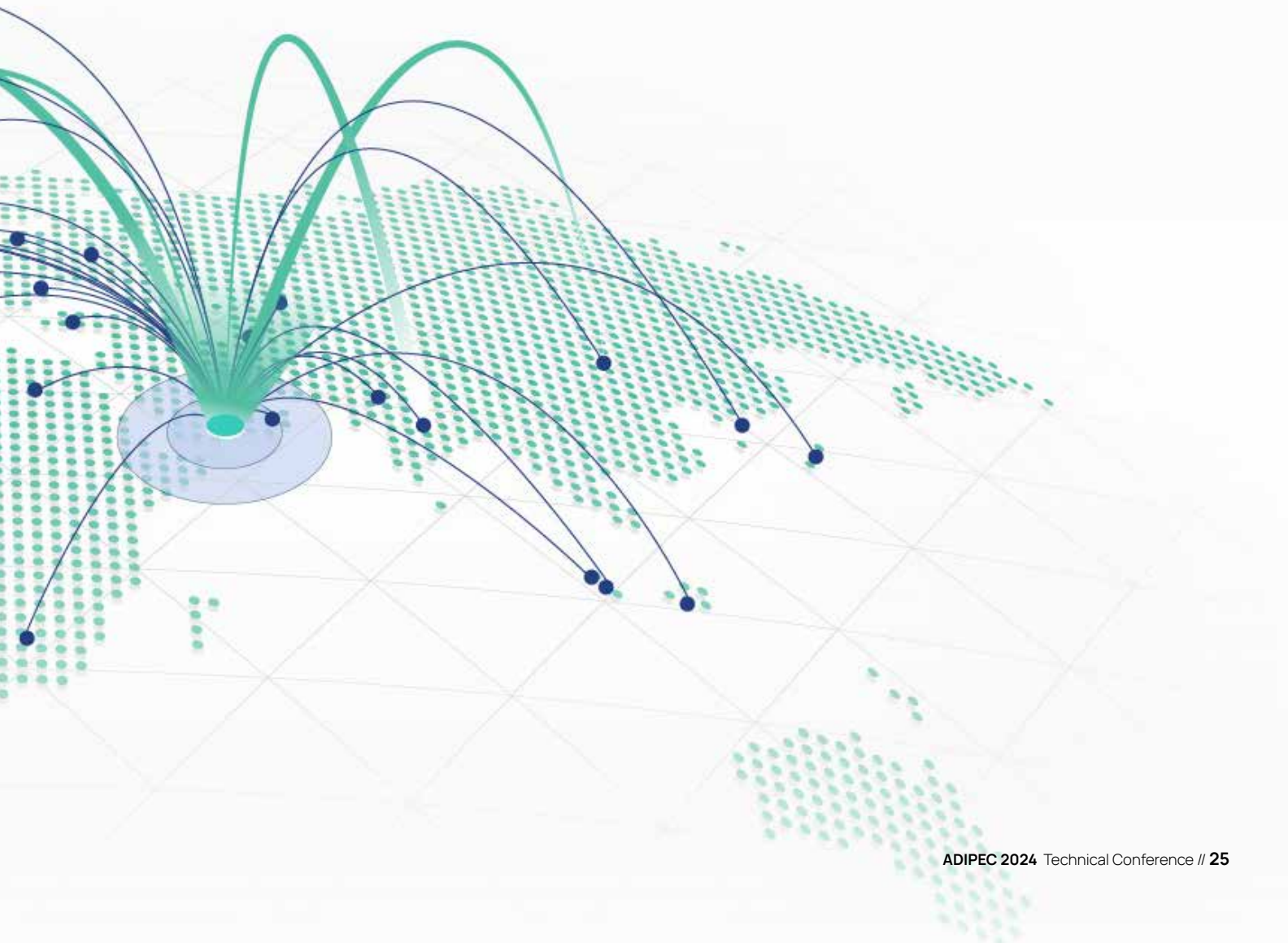
ADIPEC creates a unified, inclusive platform for the global energy ecosystem, with representation from around the world, enabling a deeper understanding of the unique and complex energy and climate challenges faced by communities across the globe.

The 30 dedicated country pavilions at ADIPEC will amplify diverse perspectives, spotlight innovative ideas and sustainable practices, provide a platform to forge game-changing global partnerships, and encourage unity around the common goal of delivering a fair and equitable transition.



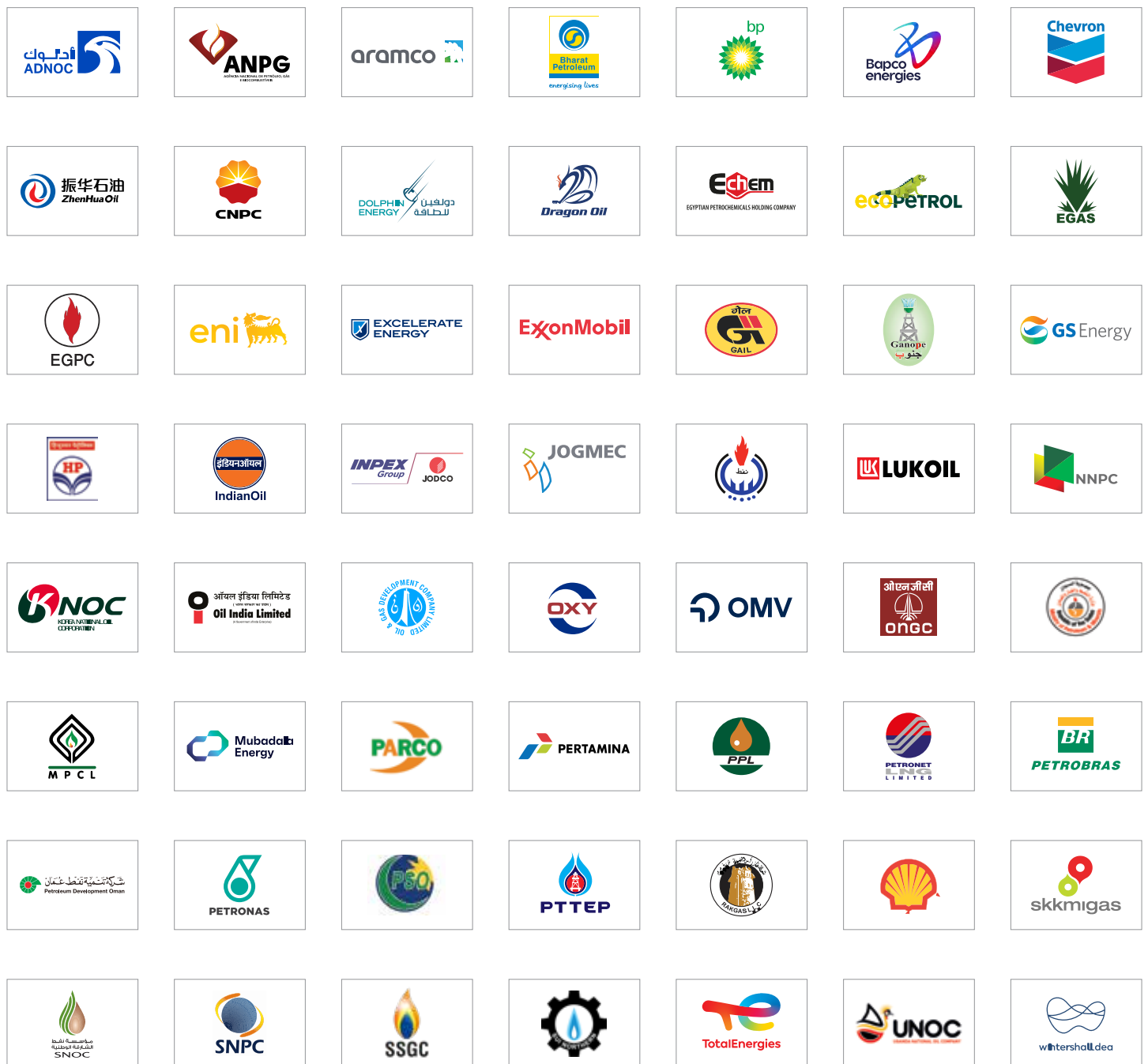
Country pavilions

 Brazil	 China	 Germany
 Belgium	 Egypt	 India
 Canada	 France	 Indonesia
 Italy	 Malaysia	 Oman
 Japan	 Netherlands	 Pakistan
 Kazakhstan	 Norway	 Poland
 Romania	 South Africa	 Turkmenistan
 Scotland	 South Korea	 UK
 Singapore	 Türkiye	 USA
 Spain	 Algeria	



A platform for engagement between leading NOCs, IOCs, NECs and IECs

ADIPEC welcomes the participation of more than 54 international and national energy companies, offering a platform to showcase the latest innovations, technologies and solutions driving energy progress. Participants include:





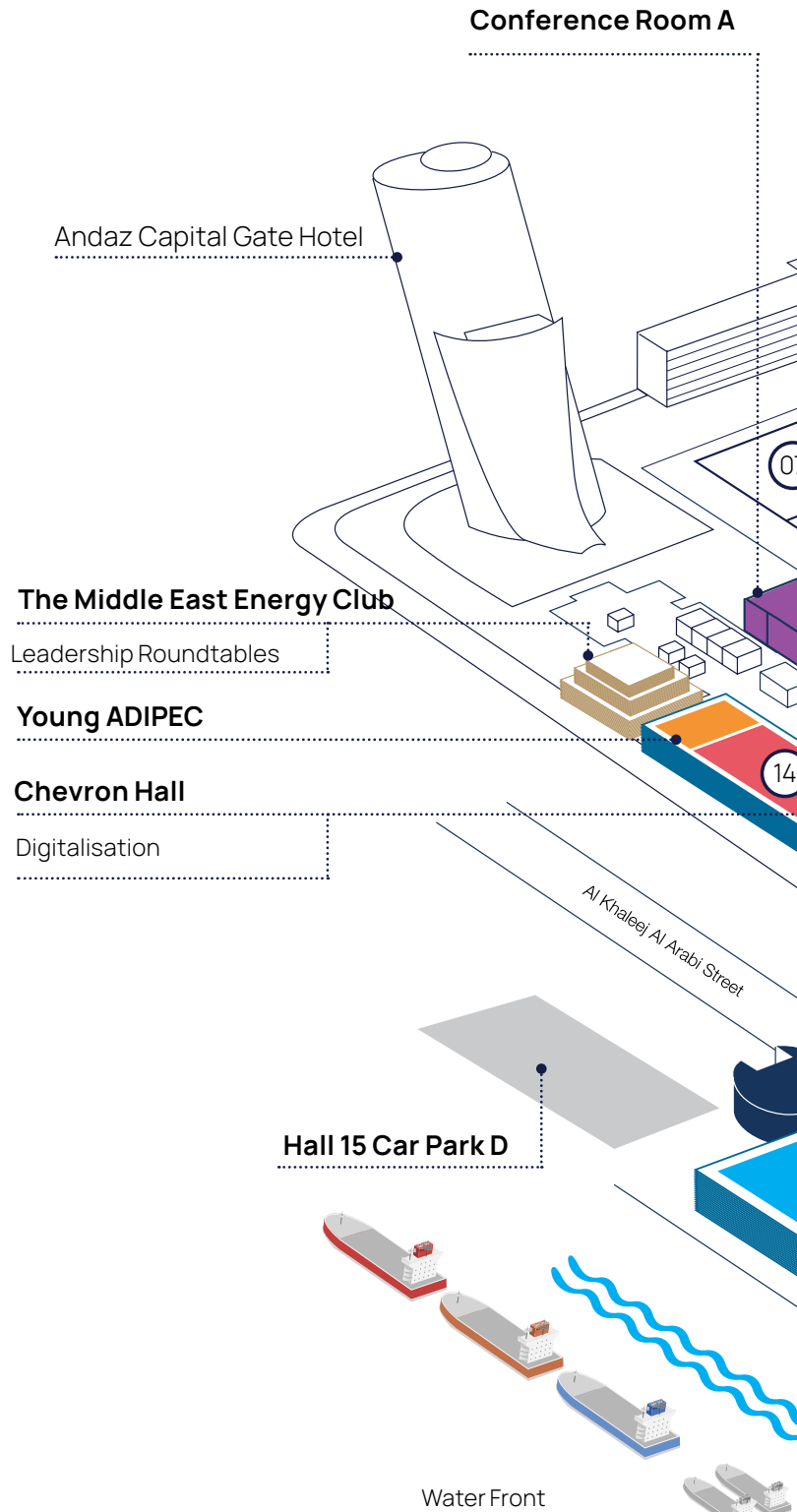
ADIPEC has evolved from an oil and gas event to a meeting of energy companies, consumers and companies with clean energy technologies. It is becoming a holistic platform for us to have a voice to raise awareness, talk about tangible solutions and define the pathways against which we will address climate change issues.

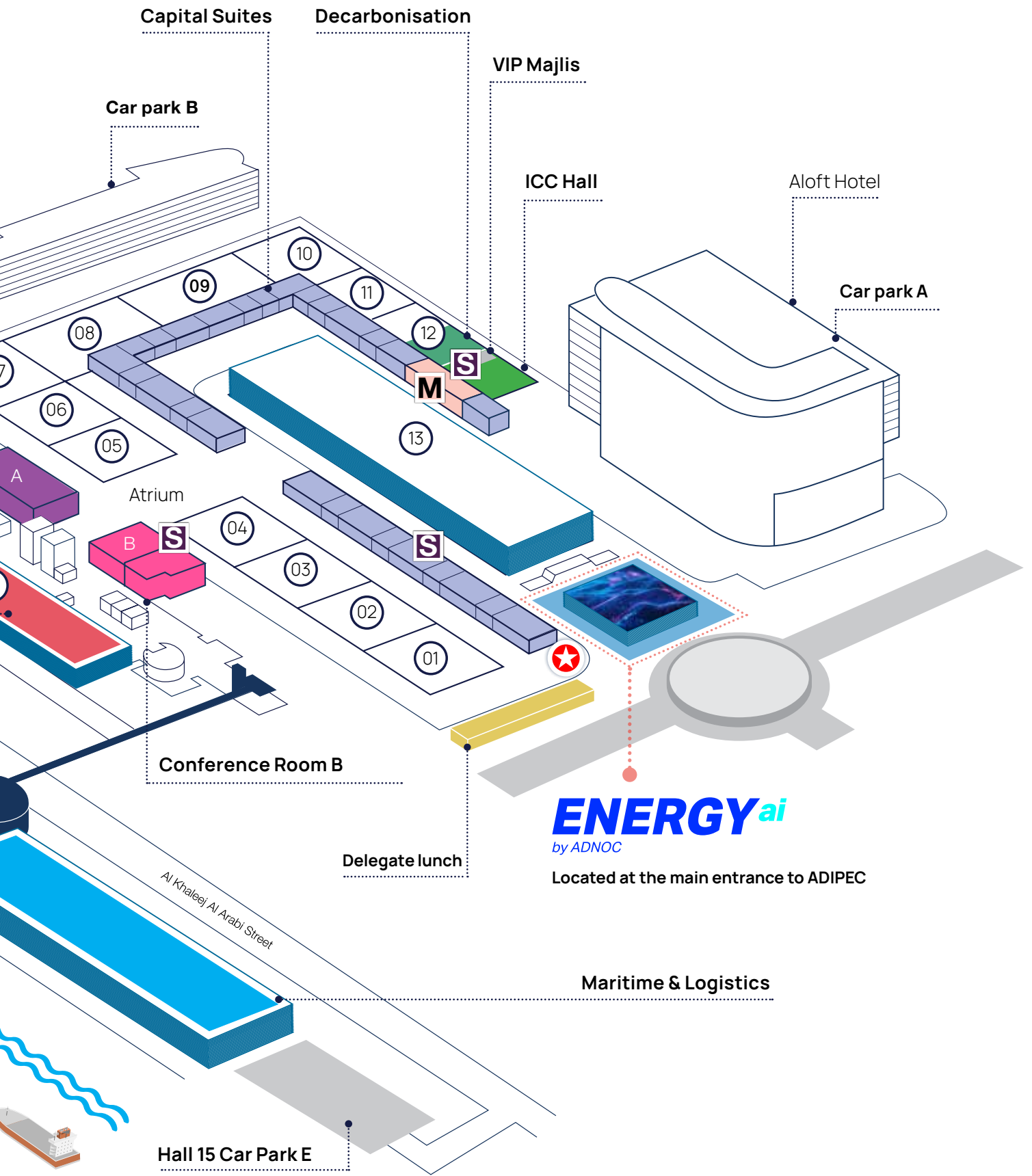
Proscovia Nabbanja
CEO
UNOC

ADIPEC

venue map

- 1 - 15 Exhibition Halls
- ★ ADIPEC Booking Stand
- ICC Hall
- The Middle East Energy Club
- Conference Room A
- Conference Room B
- Decarbonisation
- Maritime & Logistics
- Digitalisation
- Young ADIPEC
- Capital Suites - Mezzanine level
- Delegate lunch
- M Media Centre
- VIP Majlis - ICC (Hall 12)
- S Speaker Room Locations
 - Near Conference Room B
 - Majlis
 - Capital Suite 6, Mezzanine Level (SPE speaker room)





All Access Pass

Gain access to over 370 sessions through the all access conference pass. Hear from for more than 1,800 speakers as they address the most urgent global energy challenges. Under two conference streams - Strategic and Technical - global experts will share their insights and approaches to achieving meaningful industry, climate, and business objectives.

Gain access to **ALL** of the following Conferences

US\$6,505

Strategic Conference

The Strategic Conference will convene the energy world's most influential voices, offering diverse perspectives and accelerating action to deliver a just and orderly transition.



Hydrogen Conference



Digitalisation & Technology Conference



Decarbonisation Conference



Voices of Tomorrow



Finance & Investment Conference



Maritime & Logistics Conference



Technical Conference



Downstream Technical Conference

Visit [or email](#) [to learn more.](#)

Conference passes

All Access Conference 4-day Pass

US\$6,505

Maximise your ADIPEC 2024 experience with the All Access Pass. Gain exclusive entry to over 370 sessions across 10 conferences and hear over 1,800 ministers, policymakers, CEOs and innovators, offering unparalleled strategic and technical insights.

- ✓ Strategic Conference
- ✓ Hydrogen Conference
- ✓ Decarbonisation Conference
- ✓ Finance & Investment
- ✓ Maritime & Logistics Conference
- ✓ Digitalisation & Technology Conference
- ✓ Voices of Tomorrow
- ✓ **Technical Conference**
- ✓ Downstream Technical Conference
- ✓ Delegate lunches
- ✓ Access to exhibition halls

Executive Pass

US\$2,995

Gain access to **ANY ONE** of the following Strategic Conferences

Choose only one of the following

- Decarbonisation Conference
- Hydrogen Conference
- Finance & Investment

Plus

- ✓ Delegate lunches
- ✓ Access to exhibition halls

Innovator Pass

US\$1,065

Gain access to **ANY ONE** of the following Strategic Conferences

Choose only one of the following

- Maritime & Logistics Conference
- Digitalisation & Technology
- Voices of Tomorrow

Plus

- ✓ Delegate lunches
- ✓ Access to exhibition halls

Technical Conference Pass

The ADIPEC Technical Conferences represent the largest technical meeting place for energy engineers and experts in the world. Gain invaluable insights, discuss the latest trends, innovations and best practices in the energy sector and enhance your skills and expertise at our technical conferences.

4-day Technical Conference Pass

US\$1,750

Gain access to **ANY ONE** of the following Technical Conferences

Choose only one of the following

- **Technical Conference**
- Downstream Technical Conference

Plus

- ✓ Delegate lunches
- ✓ Access to exhibition halls

2-day Technical Conference Pass

US\$1,640

Gain access to the Technical Conferences

Access to

- ✓ **Technical Conference**

Plus

- ✓ Delegate lunches
- ✓ Access to exhibition halls

SPE Members - Technical Pass

Preferential rates are available for SPE Members. Contact us for further details at delegate@adipec.com



4-7 November 2024 Abu Dhabi, UAE

Book your delegate pass

www.adipec.com/conferences

For exhibition enquiries

✉ sales@adipec.com

Conference & delegate enquiries

✉ delegate@adipec.com

Sponsorship enquiries

✉ sponsorship@adipec.com

For general enquiries

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