

HELD UNDER THE PATRONAGE OF HIS EXCELLENCY ABDEL FATTAH EL SISI, PRESIDENT OF THE ARAB REPUBLIC OF EGYPT



EGYPES
**SUSTAINABILITY
IN ENERGY**
CONFERENCE



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TUESDAY 18 FEBRUARY 2025 | EGYPT INTERNATIONAL EXHIBITION CENTER

DRIVING REALISTIC DECARBONISATION TARGETS BY 2030

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BUILDING A SECURE AND SUSTAINABLE ENERGY FUTURE

The EGPES 2025 Conferences help shape the future energy agenda to unlock the potential of the energy transition and drive sustainable production and climate-conscious practices. The EGPES strategic dialogue focuses upon the need for a new global energy system, one that reduces reliance on single energy sources and supports supply and demand cycles globally. At the same time, the EGPES technical programme provides enrichment from practical, scientific and innovative R&D to project management across the entire oil, gas and wider energy supply and value chains.



Governments, industry leaders, innovators, and communities must unite in a shared mission for a sustainable future, leaving no one behind.

NADJA WENDLER
Vice President, Sustainability
Wintershall Dea AG



MODERATOR:

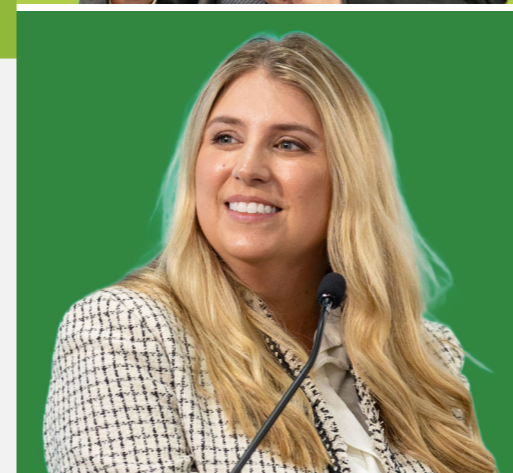
ANTONIO LUCCI
Senior Business Development,
Carbon Reduction Excellence
RINA

ANTONY WATSON
Chief Executive Officer
Ras Ghareb Wind Energy

DENISSE ABUDINÉN
Chief Executive Officer Egypt
Enap Sipepol

MAGED MAHMOUD
Technical Director
Regional Center for Renewable
Energy and Energy Efficiency (RCREEE)

MOKHTAR ABUL ATA
Director, North Africa
Infinity Power



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DRIVING REALISTIC DECARBONISATION TARGETS BY 2030

The global energy mix is rapidly shifting from fossil fuels to zero-carbon sources. As the energy transition gains momentum, governments and industrial sectors are working hard to decarbonise their economies, leading to the formation of new ecosystems and the emergence of innovative climate solutions.

These developments are helping to increase the adoption of renewables to fulfil power needs, develop low carbon fuels, improve energy efficiency, reduce emissions and create new markets for CCUS deployment and digital technologies. At the same time, many of these commonly pursued steps towards decarbonisation, such as increased electrification, natural gas utilisation and widespread use of solar, wind, ammonia and hydrogen pose unique challenges which makes the journey to net-zero more complex.

The EGPES 2025 Sustainability in Energy Conference brings together climate and energy transition thought leaders to discuss strategies for accelerating decarbonisation over the next decade and achieving significant interim targets by 2030.

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DECARBONISATION



SUSTAINABLE FUELS



RENEWABLE ENERGY













LOW CARBON INNOVATIONS



DIGITAL TRANSFORMATION

SUSTAINABILITY IN ENERGY CONFERENCE SPEAKERS

 Dietmar Siersdorfer Managing Director Middle East and Africa Siemens Energy	 Philip Whittaker Executive Vice President Global Services Harbour Energy	 Hesham Zubari Chief AI & Innovation Officer Dragon Oil	 Khaled Bin Saeed Chief Executive Officer Al Fanar Gas Group
 Gu Xiaodong Vice President & General Manager Green Hydrogen United Energy Group	 Guillaume Verhaeghe New Energy Director, MENA SLB New Energy	 Jessica Jackson Vice President, EH&S, Supply Chain and Midstream & Marketing Apache Corporation	 Rami Yassine Senior Vice President, MENA Halliburton
 Mohamed Amer Executive Vice President Green Hydrogen Scatec	 Manal Hassan Chief Sustainability Officer El Sewedy Electric	 Georgios Protopapas Chief Technical Officer Rosetta Energy	 Sohbet Karbuz Director, Natural Resources and Energy Security Organisation Méditerranéenne de l'Énergie et du Climat
 Wassim Ghabban Senior Vice President Digital & AI Kent	 Massimo Cristiani Senior Vice President, Commercial Saipem	 Giorgi Bibineishvili Head of Upstream Georgian Oil and Gas Corporation	 Norinao Sato President & Chief Executive Officer, Middle East & Africa Yokogawa
 Sebastien Riez Cluster President, Northeast Africa and Levant Region Schneider Electric	 M. Belgacem Merad Senior Vice President, MENA Weatherford	 Khalid Al Dossery Vice President, Energy Transition & Sustainability TAQA	 Iliaria Parrella Emissions Abatement, Executive Director, Climate Technology Solutions Baker Hughes
 Hesham Yehia Sustainability Director Fertiglobe	 James Schofield Deputy Director Industrial Transition Accelerator	 Abir Leheta Chief Executive Officer EGYtrans	 Antony Watson Chief Executive Officer Ras Ghareb Wind Energy
 Siddharth Malik Chief Executive Officer Vulcan Green Energy	 Dr Faye Gerard Energy Transition Director International Association of Oil and Gas Producers (IOGP)	 Janka O'Brien Sustainability Director, MEA Emerson	 Ahmed Osama General Manager, Energy Efficiency Department Ministry of Petroleum and Mineral Resources
 Nikolas Rigas Head of Carbon Storage EnEarth	 Vito Saluto Head of ESG AMEA Power	 Giacomo Matarazzo Development and Strategy Director Teréga	 Boyana Achovski Former Secretary General Gas Infrastructure Europe
 Ahmed Samir Elbermbail Sustainability Market Leader Bureau Veritas	 Mohammad Abu Zahra Head of Middle East and North Africa Global CCS Institute	 Fernando Kalligas Senior Director of Corporate Affairs DESFA	 Hüseyin Çiloğlu Chief Executive Officer PIKARE SKYSOURCE
 Jan Zschommler Market Area Manager Middle East & Africa DNV Energy Systems	 Choeib Boutamine Energy Advisor & Chief Executive Officer Ranadrill Consulting	 Rasha Hasaneen Presenter EGYPES 2025	

KEYNOTE SPEECHES

10:00 – 10:10

Balancing the Energy Trilemma: Navigating Sustainability, Security, and Affordability

In the face of escalating climate change, the global urgency to transition to sustainable energy sources has never been more critical, demanding swift and transformative action to reduce greenhouse gas emissions and expedite decarbonisation. However, energy remains a vital pillar of economic growth and development, making security and affordability paramount concerns. As developed nations transition to a more diversified energy mix, ensuring a reliable and uninterrupted energy supply becomes increasingly complex. With continued global economic instability, governments are putting more emphasis on security and resilience whilst simultaneously enhancing upstream production sustainably. To help balance sustainability and decarbonisation goals, energy production, distribution, and consumption must undergo rapid yet profound changes.

Attendee Insights This keynote speech will highlight how the industry can address the triple challenge of ensuring affordable, reliable and increasingly sustainable energy supplies.

10:10 – 10:20

Increasing the Sustainable Production of Oil and Gas to Support Stability of Electrical Supply

In many regions, the oil and gas industry plays a crucial role in ensuring a stable and sustainable supply of electricity by supplying essential fuel to power stations. Egypt has faced gas shortages and rolling power cuts during 2024, highlighting the significance of reliable oil and gas production in maintaining the nation's energy security. Rising local power consumption and disruptions in electricity supply have prompted the Egyptian government to ramp up oil and natural gas production to stabilise the electrical grid. At the same time, utilising gas as the bridge towards renewables, there is a strong push long-term to adopt energy sources like solar and wind, enhancing grid capacity, and decarbonising the electricity system to support power generation.

Attendee Insights This keynote speech will delve into the actionable strategies that is currently being deployed to support both the stability of electrical supply and the sustainable production of oil and gas for power generation.

PANEL DISCUSSIONS

10:20 – 11:00

Leveraging Natural Gas as a Destination Fuel

Natural gas is widely recognised as the cleanest, most efficient, and versatile fossil fuel available today. As global economies navigate the path towards a low-carbon future, natural gas has been identified as a crucial component to support climate mitigation. Its abundance, competitive cost of supply, immediate availability and ability to complement renewable energy make it an important component of the energy mix. Additionally, when used for power generation instead of coal, natural gas significantly reduces emissions, contributing to a cleaner and more sustainable environment. For these reasons, the sector advocates for natural gas to not only play a pivotal role in the energy transition but also to serve as a long-term destination fuel.

Attendee Insights Industry leaders will discuss the key role of natural gas as a destination fuel, not just a transition fuel, but as an integral part of the low-carbon future.



Dietmar Siersdorfer
Managing Director
Middle East and Africa
Siemens Energy



Khaled Bin Saeed
Chief Executive Officer
Al Fanar Gas Group



Sohbet Karbuz
Director, Natural Resources
and Energy Security
**Organisation
Méditerranéenne de l'Énergie
et du Climat**



Giacomo Matarazzo
Development and
Strategy Director
Teréga



**Moderator
Choeib Boutamine**
Energy Advisor &
Chief Executive Officer
Ranadrill Consulting

11:00 – 11:40

Eliminating Methane Emissions, Reducing Flaring and Electrifying Operations

The oil and gas industry is grappling with the dual challenge of decarbonising while still meeting the world's energy demands. Methane emissions and flaring are among the most significant and visible contributors to greenhouse gases from the sector's operations. In response, operators are implementing methane abatement technologies incorporating renewables to meet power needs. Following the EU's newly introduced legislation to curb methane emissions in the EU and globally, exporters outside of Europe are required to measure, monitor, report, and verify emissions, with similar standards as EU operators. This legislation also impacts national oil companies, pushing them to align with global methane management practices and improve operational transparency, highlighting a new era of accountability and stricter environmental compliance across the industry.

Attendee Insights Representatives from oil and gas corporations will share insights on how the industry can eliminate methane emissions, reduce flaring and integrate renewable energy into its operations.



Ilaria Parrella
Emissions Abatement,
Executive Director, Climate
Technology Solutions
Baker Hughes



Giorgi Bibineishvili
Head of Upstream
**Georgian Oil and Gas
Corporation**



Khalid Al Dossery
Vice President, Energy
Transition & Sustainability
TAQA



Ahmed Osama
General Manager, Energy
Efficiency Department
**Ministry of Petroleum and
Mineral Resources**



**Moderator
Jan Zschommler**
Market Area Manager
Middle East & Africa
DNV Energy Systems

11:40 – 12:20

Diversifying into New Energies and Enabling Clean Technologies

Diversifying the global energy mix and increasing the share of renewable and clean energy sources are crucial steps in addressing the growing demand for energy while mitigating climate change. This transition, which is driving the need for critical minerals to manufacture clean technologies, involves integrating a broader range of energy sources, such as solar, wind, and hydro, and adopting low-emission fuels like hydrogen, synthetic fuels, biofuels, and ammonia. By increasing the adoption of climate technologies, the industry can enhance the stability and resilience of energy systems, reduce dependence on fossil fuels, and significantly lower greenhouse gas emissions. At the heart of this transformation, startups are driving the next wave of low-carbon innovations, providing the breakthrough technologies and solutions that hold the key to achieving a net-zero future.

Attendee Insights The panel will explore the diversification of the energy mix to low carbon sources and the role of technology to reduce fossil fuel reliance.


 Hesham Zubari Chief AI & Innovation Officer Dragon Oil	 Guillaume Verhaeghe New Energy Director, MENA SLB New Energy	 Antony Watson Chief Executive Officer Ras Ghareb Wind Energy
 Rasha Hasaneen Presenter EGYPES 2025		

12:20 – 13:00

Demonstrating Sustainability and Emissions Reduction through Effective ESG Reporting

As sustainability becomes more integrated into corporate business models, the energy industry is constantly reevaluating how it operates using ESG metrics while it navigates the journey to net-zero. ESG reporting not only allows companies to demonstrate their progress towards becoming more environmentally friendly and reducing emissions, it also opens up new opportunities for innovation, efficiency, and resilience, all while reducing costs and maximising profits. To support this, energy corporations are developing transparent ESG reporting systems with strong information governance to accurately track its net-zero commitments. However, implementing ESG strategies presents challenges, as their design and execution require a tailored approach that considers the unique environmental and social contexts of each company's operations.

Attendee Insights Sustainability leaders will explore how the industry is building effective ESG strategies and reporting mechanisms to support the pathway towards sustainable operations and emissions reduction.

 Manal Hassan Chief Sustainability Officer El Sewedy Electric	 Hesham Yehia Sustainability Director Fertiglobe	 Janka O'Brien Sustainability Director, MEA Emerson
 Vito Saluto Head of ESG AMEA Power	 Fernando Kalligas Senior Director of Corporate Affairs DESFA	 Moderator Jessica Jackson Vice President, EH&S, Supply Chain and Midstream & Marketing Apache Corporation

13:00 – 14:00







Lunch, exhibition and networking

14:00 – 14:30

Digitalisation and AI as a Key Enabler of the Energy Transition

Digital technologies and AI are revolutionising the energy sector, with the potential to reduce emissions by up to 20% by 2030. By driving digitalisation, companies are enhancing the efficiency and effectiveness of their existing operations, as well as improving the mechanisms for monitoring and tracking emissions. As the transformative potential of AI and digitalisation expands, the energy sector is discovering new opportunities to optimise energy use, streamline operations, decrease greenhouse gas emissions and also unlock innovative pathways to a decarbonised future. However, implementing digitalisation in the energy sector is not without its challenges. One of the primary hurdles is the significant investment required for upgrading legacy systems and integrating new technologies into existing infrastructures.

Attendee Insights Digital experts and technologists at the forefront of the energy transition will discuss emerging trends and challenges of integrating AI and digital solutions into traditional energy systems.

 Wassim Ghadban Senior Vice President Digital & AI Kent	 Norinao Sato President & Chief Executive Officer, Middle East & Africa Yokogawa	 M. Belgacem Merad Senior Vice President, MENA Weatherford
 Rami Yassine Senior Vice President, MENA Halliburton	 Sebastien Riez Cluster President, Northeast Africa and Levant Region Schneider Electric	 Moderator Dr Faye Gerard Energy Transition Director International Association of Oil and Gas Producers (IOGP)









14:30 – 15:00

The Role of Ammonia in Realising the Green Hydrogen Economy

The demand for green hydrogen is growing from year to year with market demand estimated to be seven times higher by 2050. Since the transportation and storage of hydrogen is a very complex, expensive and energy-intensive process, the industry is focusing on developing more sustainable distribution methods and grid-scale storage options using ammonia as an energy carrier. Ammonia, which can be synthesised through renewable energy sources, offers a promising solution for transporting hydrogen over long distances. Once it reaches its destination, ammonia can be converted back into hydrogen or used directly as a fuel, making it an increasingly viable option for meeting the growing global demand for green hydrogen. In addition, initiatives like Europe's Green Hydrogen Maritime Corridor are supporting the industry in establishing sustainable trade routes that facilitate the seamless conversion of ammonia back into green hydrogen.

Attendee Insights The session evaluates the important role of ammonia in unlocking the full potential of the green hydrogen economy.

 Mohamed Amer Executive Vice President Green Hydrogen Scatec	 Georgios Protopapas Chief Technical Officer Rosetta Energy	 Gu Xiaodong Vice President & General Manager Green Hydrogen United Energy Group
 Massimo Cristiani Senior Vice President Commercial Saipem	 James Schofield Deputy Director Industrial Transition Accelerator	 Moderator Boyana Achovski Former Secretary General Gas Infrastructure Europe

15:00 – 15:30

Scaling Low-Carbon Distribution and Decarbonisation in Downstream Operations

As the energy transition gains momentum, the downstream sector is evolving to integrate sustainable fuels such as LNG, LPG, SAF, biofuels, synthetic fuels, and renewable alternatives into global energy systems. Successfully adopting these fuels into the energy mix demands a dual focus, enhancing downstream operations while developing innovative strategies to modernise distribution networks and retail channels to meet evolving consumer demand. To meet these requirements, the sector is leveraging digital solutions, AI, and low-carbon technologies to streamline operations, optimize supply chains, and drive progress toward decarbonization goals across the value chain.

Attendee Insights Industry leaders will share insights on overcoming distribution challenges for low-carbon fuels, infrastructure modernisation strategies, and best practices for decarbonising downstream operations.

15:30 – 16:00

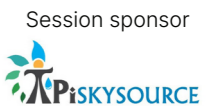
Enhancing Energy Efficiency Across Upstream, Midstream and Downstream

Energy waste contributes significantly to greenhouse gas emissions, increases demand for energy imports, and raises prices for governments and consumers. Energy efficiency is often referred to as the 'first fuel' in the energy transition, as it provides some of the quickest and most cost-effective CO2 mitigation options while lowering the consumption of energy and strengthening energy security. The oil and gas sector, traditionally seen as major carbon contributors, has in recent years undergone substantial changes in its approach to achieving maximum energy efficiency. Operators are increasingly focused on reducing their environmental footprint while optimising resource utilisation, from integrating renewable energy sources and circular economy models to incorporating digital technology into their workflows.

Attendee Insights A critical discussion which evaluates energy efficiency practices across the oil and gas value chain, identifying gaps where energy can be optimised.







16:00 – 16:30

Decarbonising Hard-to-Abate Industries



Since the industrial revolution, greenhouse gas emissions have risen sharply, nearly tripling in the past three decades. Hard-to-abate sectors like transport, steel, cement, chemicals, and heavy industry remain heavily reliant on fossil fuels, particularly coal, which continues to dominate energy consumption in these industries. Decarbonising these challenging sectors requires a comprehensive approach, including enhancing energy efficiency, deploying carbon capture, utilisation, and storage (CCUS), and substituting fossil fuels with cleaner energy sources such as renewables, nuclear energy, and hydrogen. However, the transition to clean energy in these sectors faces significant barriers, including the variability of renewable sources and the technical challenges of integrating these alternatives into existing industrial processes.

Attendee Insights As markets for technologies and practices that reduce the carbon intensity of hard-to-abate industries continue to evolve, this panel discusses the barriers to considerable decarbonisation initiatives.

 Siddharth Malik Chief Executive Officer Vulcan Green Energy	 Abir Leheta Chief Executive Officer EGYtrans	 Hüseyin Çiloğlu Chief Executive Officer PIKARE SKYSOURCE
 Ahmed Samir Elbermbali Sustainability Market Leader Bureau Veritas	 Nikolas Rigas Head of Carbon Storage EnEarth	 Moderator James Schofield Deputy Director Industrial Transition Accelerator

16:30

Closing Remarks

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BUILDING A SECURE AND SUSTAINABLE ENERGY FUTURE

The need for open dialogue to deliver energy security, energy affordability and energy sustainability remains constant. The energy trilemma challenges, whether strategic or technical, must be addressed to build a secure and sustainable energy future.

Not recognising geopolitical tensions, trade constraints or global crises, the trilemma requires all stakeholders including government officials, policymakers, industry leaders, investors, engineers, tech champions and solution providers to drive a cohesive yet multi-faceted path towards our energy future.

The EGYPES 2025 Conferences play a vital role in addressing transformation and accelerating momentum across the full spectrum of current and future energy systems with the purpose of shaping the future of energy today.

BENEFIT FROM INVALUABLE OPPORTUNITIES AS A CONFERENCE DELEGATE

As a conference attendee, the opportunities for you to gain new industry insights and hear the latest strategic and technical oil, gas and energy trends are endless.



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The global energy mix is rapidly shifting from fossil fuels to low carbon sources, leading to the formation of new ecosystems and the emergence of innovative climate solutions. The EGYPES 2025 Sustainability in Energy Conference will explore the latest advancement in decarbonisation, clean energy and strategies to achieve significant climate targets by 2030

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