

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



TUESDAY 20 FEBRUARY 2024 | EGYPT INTERNATIONAL EXHIBITION CENTER

SHAPING A SUSTAINABLE ENERGY VALUE CHAIN

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EGYPES 2024
CONFERENCES



10

Strategic
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Sessions

45

Technical
Conference
Sessions

11

Sustainability in
Energy Conference
Sessions

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Finance in Energy
Conference
Sessions

7

African Dialogue
Conference
Sessions

5

Equality in
Energy Conference
Sessions

The EGYPES 2024 Conferences help shape the future energy agenda to unlock the potential of the energy transition and drive sustainable production and climate-conscious practices. The EGYPES 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 EGYPES 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.

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The EGYPES Conferences are an excellent opportunity to bring together energy industry leaders showcasing expertise across different themes including decarbonisation, AI analytics, digital scaling and much more.



SHERIF BAYOUMY
Managing Director
SLB



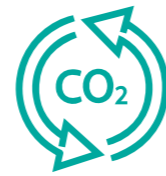
SHAPING A SUSTAINABLE FUTURE ACROSS THE ENERGY VALUE CHAIN

When it comes to combatting climate change and advancing decarbonisation, global economies are rapidly moving from ambition to action. With growing concerns about the environmental impacts of carbon emissions, governments, key industrial sectors, and society at large have recognised the urgent need to transition from fossil fuels towards cleaner, more sustainable energy sources.

As a result, the global energy landscape is undergoing a paradigm shift, from fossil fuels towards renewable energies. This has led to a surge in global decarbonisation efforts in driving a remarkable wave of innovation and technologies across the energy value and supply chains. From the evolution of natural gas to the emerging potential of green hydrogen and green ammonia, a myriad of clean energy solutions is gaining momentum. These developments are, improving energy efficiency, promoting circular economy practices and increasing the adoption of renewables in the energy mix.

Following the backdrop of pressing environmental concerns and the critical need to reduce greenhouse gas emissions, the EGPES 2024 Sustainability in Energy Conference will bring together industry pioneers to explore the latest clean energy advancements and strategies required to accelerate net-zero targets by 2050.

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DECARBONISING UPSTREAM, MIDSTREAM & DOWNSTREAM



LOW CARBON INNOVATIONS



NATURAL GAS AND LNG



GREEN HYDROGEN AND GREEN AMMONIA



RENEWABLE ENERGY



DIGITAL TRANSFORMATION

CLIMATE AND ENERGY TRANSITION THOUGHT LEADERS

 HE Tarek El Molla Minister of Petroleum and Mineral Resources Arab Republic of Egypt	 HE Dr. Yasmine Fouad Minister of Environment Arab Republic of Egypt	 Stefano Raciti Chief Operating Officer Mubadala Energy	 Marco Villa Chief Operating Officer Technip Energies
 Frank Cassulo Vice President Chevron International Exploration & Production	 Francois Dao Vice President Middle East & Africa EDF Renewables	 Faisal Mohmand Principal Vice President & President Bechtel Energy Technologies & Solutions	 Sergio Molisani Chief International Asset Officer Snam
 Ahmed Mostafa Deputy Chief Executive Officer Production EGPC	 Wael Lotfy Chairman & Chief Executive Officer Enppi	 Saeed Al Ahabbi Chief Shared Services & Technical Officer ADNOC Distribution	 Nadja Wendler Vice President, Sustainability Wintershall Dea AG
 Jessica Jackson Vice President of Environment, Health and Safety Apache Corporation	 Mahmoud Nagy Undersecretary for Distribution & Marketing Ministry of Petroleum and Mineral Resources	 Mohamed Abady Vice Chairman, Energy Transition & Sustainability EGAS	 Mohamed Amer Executive Vice President Green Hydrogen Scatec
 Dalia Elgabry Vice President Egypt & Country Chair Shell	 Kamel Al Sawi President United Energy Egypt	 Manal Hassan Chief Sustainability Officer El Sewedy Electric	 Loïc Jaegert-Huber Regional Director North Africa ENGIE
 Olivier Blaringhem Executive Vice President Subsea7	 Mario Franchin Vice President North & East Africa Maire Tecnimont	 Mario Ruscev Executive Vice President Products & Technology Taqva	 Rasha Hasaneen Chief Product & Sustainability Officer Aspen Technologies
 Sebastien Riez Northeast Africa & Levant President Schneider Electric	 Karim Badwai Director of New Energy MENA SLB	 Denisse Abudinén Chief Executive Officer Egypt Enap Sipetrol	 Joey Deng Chief Executive Officer Huawei Digital Power Egypt
 Antony Watson Chief Executive Officer Ras Ghareb Wind Energy	 HE Khamis Juma Buamim Chairman Dubai Council for Marine & Maritime Industries (DCMMI Emirates)	 Hesham Yehia Sustainability Director Fertiglobe	 Mokhtar Abul Ata Director, North Africa Infinity Power
 Antonios Mountouris Head of Group HSE & Sustainable Development Division HELLENIQ ENERGY	 Raji Hattar Chief Sustainability Officer Aramex	 Eleanor Rowley Managing Director Egypt Capricorn Energy	 Mohamed Shindy Managing Director Egypt Methanex
 Wang Hao Chief Technology Officer Huawei Energy	 Ossama Maguid Countries Manager Egypt/Africa Yokogawa	 Mohamed Shoukry Country Director Egypt Fortescue	 Michael Egorov Country Director Egypt Wintershall Dea AG
 Alexander Kajo Vice President & General Manager Downstream IMEA Nalco Water, An Ecolab Company	 Maged Mahmoud Technical Director Regional Center for Renewable Energy and Energy Efficiency (RCREEE)	 Ahmed Samir Elbermbali Sustainability Market Leader Middle East Region Bureau Veritas	 Benjamin Neal Head of HSSEQ P&O Maritime Logistics
 Fabien Lundy Vice President Commercial EMEA Axens	 Faye Gerard Energy Transition Director IOGP	 Lamé Verre Co-founder & Co-chair Lean in Equity & Sustainability	 Mohamed El-Ahmady Vice President of Projects Mediterranean Energy Partners
 Amira Osama Head of Sustainability IRSC	 Paddy Blewer Corporate Communications Director Energean	 Andrea Bombardi Executive Vice President, Carbon Reduction Excellence RINA	



EGYPES
**SUSTAINABILITY
IN ENERGY**
CONFERENCE

TUESDAY
20 FEBRUARY
2024

KEYNOTE SPEECH

10:00 - 10:10

Driving the Global Sustainability Agenda Through Collaborative Actions

In a rapidly evolving world, the energy sector plays a pivotal role in shaping the trajectory of a collective future. Confronted with pressing challenges like climate change, resource depletion, social disruption, as well as the need for energy security - it becomes imperative to rethink strategies and develop collaboration across the entire energy value chain. In a globalised world, all actors are connected by the consequences of collective actions. Meaning global challenges can be only solved together. Sharing best practices, pooling resources, and fostering international cooperation are vital for addressing the transboundary challenges that our planet faces.

Attendee Insights: During this keynote speech, the need but also ability of the energy industry to leverage its existing competence and expertise to actively contribute to the energy transition and a more sustainable future are emphasised.



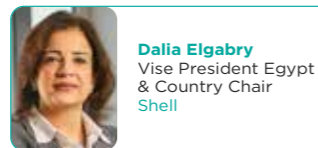
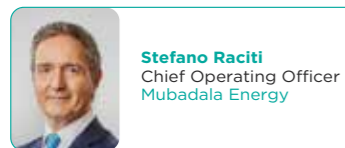
PANEL DISCUSSIONS

10:10 - 10:50

The Evolution of Natural Gas and LNG

For years, natural gas has been labelled a 'transition fuel' as its lower emission intensity can provide a number of benefits in the transition to a net-zero future. As global economies set its sights on reducing carbon footprint and greenhouse gas emissions, both natural gas and LNG will be essential in meeting the world's growing energy needs and as an indispensable enabler of a sustainable energy future. Natural gas and LNG also complement renewable energy sources by providing a steady and flexible energy supply, which strengthens their significance in combatting climate change.

Attendee Insights: This session explores the unique attributes of natural gas and LNG as critical components to enabling the energy transition, assessing its role in supporting short and long-term industry plans for decarbonisation.

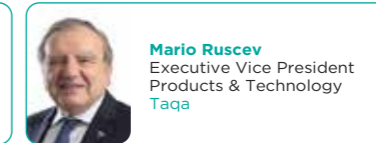
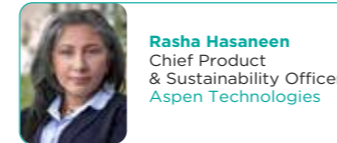


10:50 - 11:30

Shaping the Future of Energy Innovation

The recent advancements in the energy transition have been greatly aided by innovation in clean energy technology, which must continue to accelerate in order to achieve net-zero greenhouse gas emissions. Innovation and the uptake of transformational technologies are now essential components of creating a low carbon future as the world looks for effective solutions to combat climate change. The combination of solar, wind, CCUS, hydrogen, carbon offsets, flare gas recovery systems, methane abatement, DAC, and other disruptive technologies must be harnessed effectively across the energy value chain to reduce emissions.

Attendee Insights: Energy innovators will discuss the emerging clean energy technologies that are shaping the transition to a low carbon future.

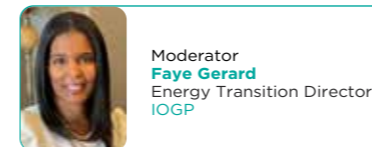


11:30 - 12:10

Accelerating Net-Zero Targets through ESG Compliance

Attaining net-zero targets by 2050 hinges on a transformative mindset that views ESG measures as a commercial opportunity, rather than a business constraint. In today's energy market, embracing ESG principles is no longer a choice but a necessity, as it requires energy companies to incorporate sustainability in their business models, attract responsible investment, and become more climate conscious. As global economies move towards carbon neutrality, implementing ESG principles gives a strategic opportunity for energy companies to not only achieve financial success but also create long-lasting positive change for a sustainable future.

Attendee Insights: Sustainability and climate experts will evaluate how energy companies are increasing their ESG compliance whilst aligning corporate objectives to meet rising concerns from investors and stakeholders.







12:10 – 12:50

Unleashing the Potential of Green Hydrogen and Green Ammonia

In the relentless pursuit of global net zero economies, the emerging potential of green hydrogen and green ammonia have been identified as sustainable alternatives to fossil fuels. Green hydrogen, being a clean, renewable and low emissions fuel represents an unprecedented opportunity to alter the energy value chain and function as a major catalyst for a decarbonised future. However, despite its immense potential, short term challenges must be acknowledged and addressed in order to achieve a smooth integration of green hydrogen into the energy mix. Green ammonia, on the other hand, is seen to be a more practical option than green hydrogen since it is easier to produce and store.

Attendee Insights: Experts will highlight latest advancements in green hydrogen and green ammonia, as well as comparing the pros and cons associated with scaling up production and utilisation of each sustainable fuel.

 Francois Dao Vice President Middle East & Africa EDF Renewables	 Mario Franchin Vice President North & East Africa Maire Tecnimont	 Loïc Jaegert-Huber Regional Director North Africa ENGIE
 Mohamed Amer Executive Vice President Green Hydrogen Scatec	 Hesham Yehia Sustainability Director Fertiglobe	 Mohamed Shoukry Country Director Egypt Fortescue
 Moderator Faye Gerard Energy Transition Director IOGP		

12:50 – 13:30 Lunch, Exhibition and Networking


MINISTERIAL KEYNOTE SPEECHES

13:30 – 14:00

Egypt's Roadmap to Increasing Green Energy and Emission Reduction Targets

In pursuit of its revised Nationally Determined Contributions Plan, Egypt has set a formidable target of reducing its greenhouse gas emissions by 37% by 2030. To effectively achieve this milestone, the government has recently unveiled strategic initiatives that will increase the adoption of renewable sources into Egypt's energy mix. Originally planned for 2035, the country now aims to achieve 42% of its energy from renewable sources by 2030. As part of this strategy, Egypt has taken remarkable strides towards amplifying the production of vital clean fuels such as green hydrogen, green ammonia and manufactured green methane.

Attendee Insights: This ministerial keynote speech will reflect Egypt's ambition to expedite its energy transition and forge a roadmap towards a low-carbon future.







 HE Tarek El Molla Minister of Petroleum and Mineral Resources Arab Republic of Egypt	 HE Dr. Yasmine Fouad Minister of Environment Arab Republic of Egypt
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14:00 – 14:30

Empowering the Digital Transformation for a Clean Energy Future

The digital transformation is revolutionising the entire energy value chain, continuously offering new opportunities to accelerate the energy transition. For the energy sector, digitalisation is a significant facilitator of decarbonisation, capitalising on data-driven insights to streamline operations, reduce costs, and optimise energy efficiency of operations, ultimately leading to better resource conservation. With the introduction of cutting-edge digital developments like AI and robotics, the ability of digital technologies to give the tools and mechanisms to monitor, control, and automate processes as well as identify crucial areas to minimise GHG emissions has substantially increased.

Attendee Insights: Energy leaders at the forefront of leveraging digital innovations will discuss the latest digitalisation trends to optimise performance, reduce emissions and build a sustainable energy future.

 Frank Cassulo Vice President Chevron International Exploration & Production	 Saeed Al Ahabbi Chief Shared Services & Technical Officer ADNOC Distribution	 Sebastien Riez Northeast Africa & Levant President Schneider Electric
 Wang Hao Chief Technology Officer Huawei Energy	 Ossama Maguid Countries Manager Egypt/Africa Yokogawa	 Moderator Pablo Avogadri Partner and Director, Energy Boston Consulting Group

14:30 – 15:00

Decarbonising Upstream Oil and Gas Operations

Upstream emissions account for two-thirds of all greenhouse gas emissions produced by the petroleum sector. Decarbonising upstream activities therefore represents an important step in the oil and gas industry's path to reinvent itself in the age of sustainability and climate consciousness. The upstream industry has responded by deploying innovative technologies to accelerate the transition to net-zero emissions, promoting sustainable practises that reduce carbon footprints, enhance energy efficiency, and maximise resource utilisation while continuing to meet the global energy demands.

Attendee Insights: This session will explore the sustainable practices aimed to reduce emissions in the upstream sector's exploration, drilling, and production processes.

 Jessica Jackson Vice President of Environment, Health and Safety Apache Corporation	 Michael Egorov Climate Manager Wintershall Dea AG	 Kamel Al Sawi President United Energy Egypt
 Eleanor Rowley Managing Director Egypt Capricorn Energy	 Joey Deng Chief Executive Officer Huawei Digital Power Egypt	 Moderator Cyril Ruchonnet E&P Research Associate Director S&P Global

15:00 – 15:30

Navigating a Sustainable Future in the Maritime Sector

Delivering oil and gas logistics is one of the industry’s most complex challenges and requires a unique set of skills, infrastructure and experience. At the core of this operation lies the maritime sector, which propels the global marketplace by assuring the seamless transportation and distribution of energy resources to meet the demands of industries and nations worldwide. However, the maritime sector is highly dependent on fossil fuels, and in 2022, was responsible for approximately 2% of global energy-related CO2 emissions. This calls for urgent solutions and collaboration across the value chain to decarbonise logistics industries at scale.

Attendee Insights: Logistics leaders will delve into the complexities of decarbonising the maritime sector, including a deep dive on the latest sustainable solutions, infrastructure, and adoption of low and zero-emission fuels for oceangoing vessels.



HE Khamis Juma Buamim
Chairman
Dubai Council for Marine & Maritime Industries (DCMMIEmirates)



Raji Hattar
Chief Sustainability Officer
Aramex



Benjamin Neal
Head of HSSEQ
P&O Maritime Logistics



Mohamed El-Ahmady
Vice President of Projects
Mediterranean Energy Partners



**Moderator
Fotios Katsoulas**
Associate Director
S&P Global

15:30 – 16:00

Building a Low Carbon Downstream Sector

The downstream sector is critical to the global energy landscape, but its carbon-intensive processes pose considerable environmental concerns. Decarbonising downstream operations is therefore an urgent necessity in the battle against climate change. This critical transformation entails reducing carbon emissions from refineries and petrochemical plants by improving energy efficiency and reliability from existing facilities. The industry can achieve positive environmental and economic outcomes through the adoption of technology, renewable energies, circular economy principles – such as waste and plastics reduction, and recycling.

Attendee Insights: Downstream thought leaders will explore the multifaceted approach required to decarbonise the downstream sector while promoting sustainable practices, including the deployment of technology and adoption of circular economy principles.



Mohamed Abady
Vice Chairman,
Energy Transition
& Sustainability
EGAS



Mahmoud Nagy
Undersecretary for
Distribution & Marketing
Ministry of Petroleum
and Mineral Resources



Antonios Mountouris
Head of Group
HSE & Sustainable
Development Division
HELLENIQ ENERGY



Alexander Kajo
Vice President
& General Manager
Downstream IMEA
Nalco Water,
An Ecolab Company



Fabien Lundy
Vice President
Commercial EMEA
Axens



Mohamed Shindy
Managing Director Egypt
Methanex



**Moderator
Hisham El Grawany**
Market Area Manager
North Africa
DNV Energy Systems

16:00 – 16:30

Increasing the Adoption of Renewable Energy in the Energy Mix

The transition to renewable energy, anchored by solar, wind, biofuels and bioproducts emerges as a fundamental pillar in the journey to replace fossil fuels and achieve net-zero targets. According to the IEA, the share of renewable energies in the global energy mix is expected to rise substantially, from 16% in 2020 to 29.3% in 2030 and 63.5% by 2050. Integrating renewables, into the existing energy system presents a set of challenges that need to be addressed to ensure a successful and sustainable transition.

Attendee Insights: The importance of wind, solar, biofuels, bioproducts, and other renewable sources in directing a successful energy transition and accelerating the adoption of renewable energy into the existing energy mix will be examined during this panel.



Antony Watson
Chief Executive Officer
Ras Ghareb Wind Energy



Denisse Abudinén
Chief Executive Officer Egypt
Enap Sipetrol



Maged Mahmoud
Technical Director
Regional Center for
Renewable Energy
and Energy Efficiency
(RCREEE)



Mokhtar Abul Ata
Director, North Africa
Infinity Power



**Moderator
Andrea Bombardi**
Executive Vice President,
Carbon Reduction
Excellence
RINA

16:30

Closing Remarks



BE PART OF THE REGION'S LEADING ENERGY CONFERENCES

Driving energy transition, security and decarbonisation

Industry urgency to decarbonise to meet net-zero commitments is driving change, strategically and technically. Globally, increasing geopolitical tensions, continued trade constraints and colliding crises are propelling the need for affordable and secure energy supplies for all, making engagement and open dialogue with all stakeholders including government officials, policymakers, industry leaders, influencers, engineers and tech champions and solution providers critical.

The EGPES 2024 Conferences play a vital role in addressing the full spectrum of energy transition, security and decarbonisation advances for a secure and sustainable energy future globally.



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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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