



12th Dii Desert Energy Leadership Summit

3 November 2022

St. Regis – The Nile, Cairo

The Accelerated Energy Transition in MENA

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Confirmed speakers:

- H.E. Dr. Rania Al Mashat, Minister of International Cooperation, Egypt
- H.E. Dr. Mahmoud Mohieldin, UN Climate Change High-Level Champion for Egypt, COP27
- H.E. Waleid Gamaleldien, Chairman, Suez Canal Economic Zone
- Ayman Mohamed Soliman, Chief Executive Officer, Sovereign Fund of Egypt
- Sherif Magdy El Gabaly, Chairman, CEO, Enara Group
- Layla El Hares, Managing Director, Siemens Energy, Egypt
- Ebubekir Koyuncu, Chief Executive Officer, Air Products Qudra
- Manuel Kühn, VP Sales Sustainable Energy Business, Siemens Energy
- Andreas Beckers, Country CEO and Executive Board Member, thyssenkrupp Uhde Egypt
- Alicia Eastman, President, InterContinental Energy
- Maria Fennis, CEO, HyET Hydrogen
- Hussein Matar, Senior Director - Business Development, AMEA Power
- Dr. Sausan Al Riyami, Director, Oman Hydrogen Center
- Paddy Padmanathan, Vice-Chairman and CEO, ACWA Power
- Andrea Lovato, Executive Vice President & Head of Renewable Development & Green Hydrogen, ACWA Power
- Thomas Altmann, Executive Vice President - Innovation & New Technology, ACWA Power

- **Harry Boyd-Carpenter**, Managing Director, Climate Strategy and Delivery, **European Bank for Reconstruction and Development**
- **Katherina Reiche**, Chairwoman, **National Hydrogen Council**, Chairwoman, **Westenergie AG, Germany**
- **Chris Antonopoulos**, Chief Executive Officer, **Lekela**
- **Amir Sharifi**, Chief Investment Officer, **Hy24 Partners**
- **Thorsten Herdan**, CEO, **HIF EMEA**
- **Faisal Eissa**, General Manager, **Lekela Egypt**
- **François Dao**, Vice-President, Middle East & Africa, **EDF Renewables**
- **Youssef Merjaneh**, Managing Director, Europe Middle East and Africa, **Black & Veatch**
- **Frank Yu**, Global Vice President, Power to X Business, **Envision Group**
- **Dr. Xuan Zhang**, Global Marketing Director, **Envision Energy**
- **Frank Wouters**, Chair, Advisory Board, **Dii Desert Energy and MENA Hydrogen Alliance** & Senior Vice President, **Reliance Industries**
- **Ahmed Ali Al-Ebrahim**, Chief Executive Officer, **GCC Interconnection Authority**
- **Naveed Tariq**, Vice President, Corporate Strategy & Group Innovation Operations, **E.ON**
- **Dr. Manfred Schuckert**, Head of Regulatory Strategy and Int. Hydrogen Strategy, **Daimler Truck AG**
- **Vatche Kourkejian**, Partner, Middle East, **Roland Berger Middle East**
- **Dan Feldman**, Partner and Global Head, Energy Innovation, **Shearman & Sterling**
- **Ralph de Haan**, Head of Business Development Hydrogen and Green Fuels, **NEOM/ENOWA**
- **Dr. Hans Dieter Hermes**, Vice President Hydrogen, **Worley**
- **Mohamed Sebti**, Deputy CEO, **NAREVA**
- **David Burns**, VP Clean Energy, **Linde**
- **Ouda Salem**, Head of Group Power to Liquids Hydrogen Technologies, **Fraunhofer Institute for Solar Energy Systems ISE**
- **Alex Sarac**, Partner, Infrastructure Projects & Energy, **Addleshaw Goddard**
- **Fred Wendt**, Managing Director, **ILF Consulting Engineers**
- **Prof. Dr. Ad van Wijk**, Member of Dii Advisory Board, Professor of Future Energy Systems, **TU Delft**
- **Antonio Iliceto**, Chairman, CIGRE Study Committee C1, **Power System Development & Economics**
- **Claudius Jehle**, CEO, **volytica diagnostics**
- **Paul van Son**, President, **Dii Desert Energy**
- **Cornelius Matthes**, CEO, **Dii Desert Energy**

AGENDA AT A GLANCE

Wednesday, 2nd November at the St. Regis – The Nile - Beryl Room

- **13:30** | Pre-registration for Dii Partners in Beryl Room
- **14:00-15:45** | Shareholders Meeting in Beryl Room
- **15:45-16:15** | Coffee Break
- **16:15 – 18:00** | Advisory Board Meeting in Beryl Room
- **19:00** **Zoe restaurant of the Four Seasons**, hosted by **AMEA Power**
 - Meeting point at **18:45 at the lobby on the ground floor of the St. Regis the Nile hotel**

Invitation Only



Thursday, 3rd November at the St. Regis – The Nile – Astor Ballroom

- **08:00-09:00** | Registration and morning networking coffee
- **09:00-18:30** | 12th Dii Desert Energy Leadership Summit
- **20:00** | Drinks and Dinner Reception at the Scirocco Restaurant by the pool

Friday, 4th November at the St. Regis – The Nile – Nile Amethyst Room

- **08:30-09:00** | Welcome coffee
- **09:00-17:00** | Dii Partner Meeting
- **18:00-22:00** | Dinner Reception at the **Khufu's Restaurant (Giza)** hosted by **ENARA**
 - *The first fine dining Egyptian restaurant in the vicinity of one of the world's seven wonders, which will be enlightened for a magic night experience.*
 - Meeting point at **17:15 at the lobby on the ground floor of the St. Regis the Nile hotel**

Invitation Only



Saturday, 5th November – Site visit days **NOW CLOSED!**



- **07:00-16:00 | Site Visit 1 Lekela West Bakr Wind Farm**
 - Situated in the Gulf of Suez, it produces 252MW clean, low cost power only two years after construction begins.
 - Transfer from the St. Regis – The Nile. **Meeting point 7am Lobby ground floor**
- **19:30 | Dinner at Makani Beach Club in El Gouna, hosted by Lekela**
 - Transportation will be arranged from West Bakr to El Gouna on the 5th and the return from El Gouna to Cairo airport on 6th November

**AGENDA – 12th Dii Desert Energy Leadership Summit
The Accelerated Energy Transition in MENA**

**All timings refer to the local time in Cairo (Eastern European Time)*

08:00-09:00

Registration Opens & Welcome Networking Coffee

09:00-09:15

Welcome Address: MENA, emerging Power House the world is waiting for!

Speaker: **Paul van Son**, President, **Dii Desert Energy**

09:15-10:00

Invited Keynote Addresses: The Accelerated Energy Transition in MENA

Responding to the global climate actions and the current geopolitical context, the MENA region has the best cards for becoming the most important green energy ‘Powerhouse’ globally through international green energy trade. In this session, industry captains and political leaders will share their strategies and projects.

- *Faster, cleaner and much cheaper: speed, the forgotten cost reduction factor of the energy transition*
- *Accelerating the defossilization pathway: the transition in the regional and international Context*
- *Outlook for local value creation and new green jobs*

Impulse presentation and moderator: **Frank Wouters**, Chair, Advisory Board, **Dii Desert Energy** and **MENA Hydrogen Alliance**, Senior Vice President, **Reliance Industries**

Special Opening Address:

H.E. Dr. Mahmoud Mohieldin, UN Climate Change High-Level Champion for Egypt, **COP27**

Keynote Speakers:

Paddy Padmanathan, Vice-Chairman and CEO, **ACWA Power**

Layla El Hares, Managing Director, **Siemens Energy, Egypt**

Andreas Beckers, Country CEO and Executive Board Member, **thyssenkrupp Uhde Egypt**

Sherif Magdy El Gabaly, Chairman, CEO, **Enara Group**

Amir Sharifi, Chief Investment Officer, **Hy24 Partners**

10:00-10:30

Ministerial Panel: MENA Leading an Accelerated Green Energy Transition


Outlook, challenges and perspectives from Ministers, heads of governmental organizations from Egypt, Saudi Arabia, UAE, Oman, Morocco and Jordan.

- *Accelerating the MENA region’s role as a green energy powerhouse: what are the biggest opportunities to developing a regional green energy economy?*
- *An exploration into MENA’s green energy initiatives and strategies*
- *How will hydrogen shape the future of regional carbon-free economies*

Keynote Speakers:

H.E. Dr. Hala H. Elsaid, Minister of Planning and Economic Development, Egypt*

H.E. Dr. Rania Al Mashat, Minister of International Cooperation, Egypt

10:30-11:00	Coffee Networking Break	
11:00-12:00	High-level Panel - Country Focus: Egypt as a Green Energy Hub	
	<p><i>Thanks to the abundant renewable energy resources and the strategic position as a crossroad between MENA, Africa and Europe, Egypt is leading the energy transition by boosting the energy transition with already multi GW of both solar PV and wind achieved. As host of COP 27, the leading Egyptians' stakeholders will provide an overview on public policies and the project pipeline to make Egypt a future trading hub for green electrons and molecules.</i></p> <ul style="list-style-type: none"> • <i>Shaping strategies ahead of COP 27: Egypt's national action plan and international partnerships</i> • <i>The Green energy corridor and Suez Canal Economic Zone as a strategic industrial hub</i> • <i>The road to net-zero: the Sovereign Fund of Egypt's project-focused strategy to attracting private investments to Egypt to unlock value and create wealth for future generations, and contribute to the growth of Egypt's economy.</i> <p>Impulse presentation and moderator: Cornelius Matthes, CEO, Dii Desert Energy Speakers: H.E. Waleid Gamaleldien, Chairman, Suez Canal Economic Zone Ayman Mohamed Soliman, Chief Executive Officer, Sovereign Fund of Egypt Harry Boyd-Carpenter, Managing Director, Climate Strategy and Delivery, European Bank for Reconstruction and Development François Dao, Vice-President, Middle East & Africa, EDF Renewables Hussein Matar, Senior Director - Business Development, AMEA Power</p>	
12:00-13:00	CEO Panel discussion: The Momentum of the Energy Transition	
	<p><i>A paradigm shift during the pandemic, record low prices for solar and wind energy and the recent geopolitical events have dramatically accelerated the energy transition. The current energy crisis requires fast and bold decisions. What is the role of international collaboration and partnerships to come to fast execution?</i></p> <ul style="list-style-type: none"> • <i>The asks for policy makers to create an international market for green molecules</i> • <i>What needs to be done to create the right infrastructure for transport and storage for green electrons and molecules?</i> • <i>How new projects in MENA encourage sustained prosperity and stability through local value creation and future proof jobs</i> <p>Moderator: Dan Feldman, Partner and Global Head, Energy Innovation, Shearman & Sterling Speakers: Katherina Reiche, Chairwoman, National Hydrogen Council, Chairwoman, Westenergie AG, Germany Chris Antonopoulos, Chief Executive Officer, Lekela Andrea Lovato, Executive Vice President & Head of Renewable Development & Green Hydrogen, ACWA Power Ebubekir Koyuncu, Chief Executive Officer, Air Products Qudra</p>	
13:00-14:00	Networking Lunch in the Great Room Foyer	
14:00-14:15	Keynote session: The Power of Partnerships to Accelerate the Energy Transition	
	<p>Speaker 1: Li Peng, Vice President of CEPRI, State Grid Corporation of China (SGCC) (*pre-recorded) Speaker 2: David Burns, VP Clean Energy, Linde</p>	

14:15-15:15	Panel Discussion: Spotlight Concrete Projects	
	<p><i>This session showcases concrete projects and initiatives on green electrons and molecules in the MENA region and how to replicate success stories from other regions. A particular focus will be given to Egypt's announcements ahead COP 27.</i></p> <ul style="list-style-type: none"> • <i>How MENA can accelerate the energy transition and fast move towards net zero</i> • <i>Hydrogen valleys to speed up pilot projects across the hydrogen value chain</i> • <i>Challenges in the supply chain across all emission free technologies</i> <p>Moderator: Vatche Kourkejian, Partner, Middle East, Roland Berger Middle East Speakers: Faisal Eissa, General Manager, Lekela Egypt Ralph de Haan, Head of Business Development Hydrogen and Green Fuels, NEOM/ENOWA Mohamed Sebti, Deputy CEO, NAREVA Frank Yu, Global Vice President, Power to X Business, Envision Group Thorsten Herdan, CEO, HIF EMEA</p>	
15:15-15:30	Special Presentation: Update on EU-MENA Hydrogen Developments	
	<p>Speaker: Prof. Dr. Ad van Wijk, Member of Dii Advisory Board, Professor of Future Energy Systems, TU Delft</p>	
15:30-16:30	Case Studies session: Green Electrons and Molecules Shaking Hands	
	<p>Moderator: Alex Sarac, Partner, Infrastructure Projects & Energy, Addleshaw Goddard</p> <p>Case Study 1: Hydrogen Valleys: Delivering a GW-Scale Green Energy Hub in Oman Alicia Eastman, President, InterContinental Energy</p> <p>Case Study 2: ACWA Power's Technology Innovations in Desalination Thomas Altmann, Executive Vice President - Innovation & New Technology, ACWA Power</p> <p>Case Study 3: Hydrogen from Wunsiedel Energy Park – Green Energy for a Carbon-free Power Supply Manuel Kühn, VP Sales Sustainable Energy Business, Siemens Energy</p> <p>Case Study 4: The LH2-Alliance of the Pioneers: Next steps Towards the Use of Liquid H2 in the Mobility Sector Dr. Manfred Schuckert, Head of Regulatory Strategy and Int. Hydrogen Strategy, Daimler Truck AG</p>	
16:30-17:00	Coffee Networking Break	
17:00-18:30	Interactives 'Dii Style' Roundtables: the interactive roundtables along the emission-free energy value chain	Interactive Session: Connecting Production and Demand of Hydrogen
	<ol style="list-style-type: none"> Certification, Transportation and Storage of Green Molecules <ul style="list-style-type: none"> ○ ACWA/CertifHy Carbon Trading <i>Co-moderators:</i> <ul style="list-style-type: none"> ○ Sherif Magdy El Gabaly, Chairman, CEO, Enara Group 	<i>Soon to be announced!</i>

	<ul style="list-style-type: none"> ○ Naveed Tariq, Vice President, Corporate Strategy & Group Innovation Operations, E.ON <p>3. Human Capital and Technology Development to Accelerate the Energy Transition <i>Co-moderators:</i></p> <ul style="list-style-type: none"> ○ Maria Fennis, CEO, HyET Hydrogen ○ Dr. Sausan Al Riyami, Director, Oman Hydrogen Center <p>4. The Future of Clean Mobility <i>Co-moderators:</i></p> <ul style="list-style-type: none"> ○ Nabil Nachi, Head of Fuel Cell Commercial Vehicle Development, Hyundai Europe <p>5. The convergence between electricity and gas markets <i>Co-moderator:</i></p> <ul style="list-style-type: none"> ○ Ahmed Ali Al-Ebrahim, Chief Executive Officer, GCC Interconnection Authority ○ Antonio Iliceto, Chairman, CIGRE Study Committee C1, Power System Development & Economics <p>6. Fast-track levelized costs of green hydrogen through focused CAPEX/OPEX cost minimization <i>Co-moderator:</i></p> <ul style="list-style-type: none"> ○ Dr. Hans Dieter Hermes, Vice President Hydrogen, Worley ○ Ouda Salem, Head of Group Power to Liquids Hydrogen Technologies, Fraunhofer Institute for Solar Energy Systems ISE <p>7. Concrete opportunities for off-take of green hydrogen <i>Co-moderator:</i></p> <ul style="list-style-type: none"> ○ Youssef Merjaneh, Managing Director, Europe Middle East and Africa, Black & Veatch ○ Fred Wendt, Managing Director, ILF Consulting Engineers <p>8. Wind and storage solutions <i>Co-moderator:</i></p> <ul style="list-style-type: none"> ○ Dr. Xuan Zhang, Global Marketing Director, Envision Energy ○ Claudius Jehle, CEO, volytica diagnostics 	
20:00-22:00	Welcome Drinks & Dinner At the St. Regis The Nile hotel	

**Awaiting final confirmation*

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