



Dii 14th Dii Desert Energy Leadership Summit

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15-16 October
2024



Palais Liechtenstein, Garden
Palace, Vienna



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Agenda at a glance

**Monday
14 October**

14:00 – 16:00 | Internal Dii Company Meeting
16:00 – 16:30 | Networking Coffee
16:30 – 18:30 | Advisory Board Meeting
19:30 – 22:30 | Welcome Drinks reception at the Palais Todesco hosted by ILF Consulting Engineers *(by invitation only)*

**Tuesday
15 October**

08:00 – 17:30 | DAY 1 - 14th Dii Desert Energy Leadership Summit, Palais Liechtenstein, Garden Palace, Vienna
18:30 – 22:00 | Drinks & Dinner Reception at the Upper Belvedere, Museum Belvedere hosted by Verbund

**Wednesday
16 October**

08:30 – 17:30 | DAY 2 - 14th Dii Desert Energy Leadership Summit, Palais Liechtenstein, Garden Palace, Vienna
17:30 – 19:30 | Farewell Drinks Reception hosted by Addleshaw Goddard and Cranmore Partners

14th Dii Desert Energy Leadership Summit – DRAFT AGENDA

15-16 October at Palais Liechtenstein, Vienna

Day 1 - 15 October

(draft agenda subject to change as the program develops)*

08:00-09:00	Registration Opens & Networking Coffee
09:00-09:10	15th anniversary of Dii Desert Energy: Pioneering the Energy Transition in MENA since 2009
	Cornelius Matthes, CEO, Dii Desert Energy
09:10-09:20	Welcome Address: Shaping Together Clean Energy Systems and ‘Net/Sub Zero’ Markets
	Paul van Son, President, Dii Desert Energy
09:20-09:30	Keynote Address: Hydrogen. Clean Energy Transition. Sustainable Industrial Development
	Gunther Beger, Managing Director of the Directorate for SDG Innovation and Economic Transformation, UNIDO
09:30-09:40	Keynote Address: Beyond Affordability, Security and Sustainability: Speed as the Fourth Element of the Energy Transition
	Marco Arcelli, CEO, ACWA Power (*pre-recorded)
09:40-09:50	Keynote Address: Advancing Climate Tech Innovations and Enabling Industries’ Decarbonization
	Dr. Cetin Nazikkol, Member of the Executive Board / Chief Strategy Officer, Segment Decarbon Technologies, thyssenkrupp
09:50-10:50	Top Executive Panel Discussion: What is Holding Back the Energy Transition?
	<i>This session will examine the status of the energy transition in MENA and Europe, and whether we are on track to meet the net zero targets by 2030 and 2050. By gathering top executives and who are the real ‘doers’ of projects, this panel discussion will discuss some of barriers on execution.</i>

	<p>Moderator: Paddy Padmanathan, Co-Founder & Vice Chairman, Zhero Speakers: Petra Schwager, Chief, Climate and Technology Partnerships (CTP) Division, UNIDO Harry Boyd-Carpenter, Managing Director, Climate Strategy & Delivery, EBRD Ebubekir Koyuncu, CEO, Air Products Qudra Thorsten Herdan, CEO, HIF EMEA</p>
10:50-11:05	<p>High-level Keynote Presentation: The Journey to Become Climate Neutral - Building an Ecosystem: Energy, Water and Hydrogen</p> <p><i>On behalf of</i> Peter Terium, Chief Executive Officer, ENOWA Thorsten Bomm, Director of Market Design, ENOWA</p>
11:05-11:45	Coffee Break & Networking
11:45-12:00	<p>Keynote Address: Europe's Market Role in A Global Hydrogen Economy</p> <p>Michael Strugl, Chairman of the Board, VERBUND AG</p>
12:15-13:00	<p>Top Executive Panel Discussion: How can Record Assets of World's Largest Institutional Investors be Channelled into Emission-free Projects?</p> <p><i>This session will gather stakeholders and board members of Sovereign Wealth and Pension funds as well as institutional investors from GCC and beyond to shed the light on their instrumental role to diversify their economies from fossil fuels and channel more assets towards emission-free energy projects.</i></p> <p>Moderator: Alex Sarac, Partner, Addleshaw Goddard</p> <p>Impulse Presentation: Cornelius Matthes, CEO, Dii Desert Energy</p> <p>Speakers: Amir Sharifi, Chief Investment Officer, Hy24 Florian Merz, Associate Director, Business Development (Europe), Masdar Cornelius Matthes, CEO, Dii Desert Energy Yusuf Macun, Managing Partner, Cranmore Partners James Mittell, Director, Energy Fund Investment Team, Actis Energy</p>
13:00-13:15	<p>Project Showcase: It is possible! H2 can become the future backbone of the energy system</p> <p>Dr. Olaf Berlien, President & CEO, INNIO Group</p>
13:15-13:30	<p>Keynote Address: H2Global: Bringing the Clean H2 Market to Fruition</p> <p>Timo Bollerhey, Chief Executive Officer, H2Global Holding and Hintco</p>
13:30-15:00	Networking Lunch
15:00-15:10	<p>New ILF-Dii Study Low-Emission Molecules Insights into an Emerging Sector</p> <ul style="list-style-type: none"> <i>This white paper brings together insights from 31 leading firms across Europe and MENA in efforts to build a thriving low-emission molecule economy.</i> <i>By analyzing regulatory, financial, and infrastructural hurdles, the paper offers a comprehensive overview of what's needed to unlock the market's potential.</i> <i>It explores the critical role of offtakers, bankability challenges of developers, and risk-sharing strategies, outlining recommendations for overcoming the "chicken-and-egg" dilemma hampering market acceleration.</i> <p>Simon Roth, Management Consulting Director, ILF Consulting Engineers Cornelius Matthes, CEO, Dii Desert Energy</p>

15:10-15:30	Fireside Chat: Execute Tripling – Policies, Market and Technologies
	<p><i>This session will discuss current policies, market conditions and clean technologies to rapidly scaling up financing and deployment of renewables: concrete projects and actions needed to meet the global tripling pledge and net zero pathway.</i></p> <ul style="list-style-type: none"> • <i>Where do we stand with the execution of the UN tripling initiative</i> • <i>What is the potential for job creation in the energy transformation and new clean technologies?</i>
	<p>Scene setting presentation: Dr. Ute Collier, Deputy Director of the Knowledge, Policy and Finance Centre (KPFC), IRENA</p> <p>Interviewer: Frank Wouters, Chairman, MENA Hydrogen Alliance</p> <p>Speakers: Reda Hamedoun, Executive Vice President - Power-to-X & Strategy, NAREVA Dr. Ute Collier, Deputy Director of the Knowledge, Policy and Finance Centre (KPFC), IRENA</p>
15:30-16:15	Panel Discussion: Why Are The Molecules Not Flowing: Status Quo And Outlook
	<ul style="list-style-type: none"> • <i>Risk mitigation along the hydrogen value chain</i> • <i>How to bring more projects to FID?</i> • <i>European Off takers sourcing low emission molecules from MENA</i> • <i>Project Case Studies from MENA-EU: comparing risk profiles</i>
	<p>Moderator: Dan Feldman, Global Head, Energy, King & Spalding</p> <p>Speakers: Klemens Schwarz, Head of Business Steering & Marketing Green Hydrogen, VERBUND Green Hydrogen Daniel Schwappach, Head of Sustainable Energy Systems Middle East and Africa, Siemens Energy Raimondo Giavi, Vice President Climatech Solutions Hydrogen & Strategy, Industrial Energy Technology Division, Baker Hughes Jorgo Chatzimarkakis, CEO, Hydrogen Europe Mrityunjay Samaddar, Director BD Green H2, EU & India, Envision Energy</p>
16:15-16:45	Coffee Break & Networking
16:45-17:00	Presentation: Hyundai's Vision for a Hydrogen Society
	Ronald Grasman , Vice President – Global Fuel Cell Cooperation & Head of HTWO Europe, Hyundai Motor Company
17:00-17:45	Panel discussion: Ecosystem Integration - Innovation on Water and Energy
	<ul style="list-style-type: none"> • <i>Advancing climate tech innovations and enabling industries to decarbonize and reach climate targets</i> • <i>Scaling up successful pilot projects of innovative technologies for energy and water</i> • <i>Ambitions vs current status: comparing Europe, MENA and China</i>
	<p>Moderator: Marta Paier, Senior Director - Partnerships & Ecosystem, Worley Digital Consulting</p> <p>Speakers: Carl Richers, Vice President - Product Management and Marketing, INNIO Jenbacher Dr. Sami Pelkonen, Executive Vice President - Green Hydrogen, Andritz Frank Obrist, President & CEO, Obrist Oussama Bayssi, CCUS, Biomass & Agritechnology Manager, IRESEN</p>
18:30-22:00	Exclusive Drinks Reception and Visit of the Upper Belvedere Museum collection followed by Dinner reception

- **Welcome Speech: Franz Helm, Managing Director, VERBUND Green Hydrogen GmbH**
- **Special Address: Camille de Peretti, Writer, Author of ‘L’Inconnue du portrait’**
- **Dinner Speech: “The future of imported hydrogen in the new reality of European Competitiveness and the Draghi report” by Diederik Samsom, former head of cabinet of EVP of the European Commission Timmermans, chair of the Supervisory board of Gasunie and special advisor to the Egypt Mega Hydrogen Project**

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Day 2 - 16 October <i>(draft agenda subject to change*)</i>	
08:30-09:00	Welcome Networking Coffee
09:00-09:05	Day 2 Opening Welcome Remarks Camille de Peretti, Writer, Author of ‘L’Inconnue du portrait’
09:05-09:35	Fireside Chat: Elephants in the Room: Pricing Carbon and Fossil Fuel Subsidies in the MENA Region Interviewer and Presenter: Cornelius Matthes, CEO, Dii Desert Energy Presenter and Speaker: Jan Frederik Braun, Head of Hydrogen Cooperation (MENA Region), Fraunhofer Institute for Solar Energy Systems ISE
09:35-09:45	Project-specific Presentation Speaker: Fred Wendt, Executive Vice President, Group Director Energy & Climate Protection, Member of the Group Management Board, ILF Consulting Engineers
09:45-10:30	Top Executive Panel discussion: Connecting Markets: Emerging Trade Corridors for Energy Security <i>This session addresses the emerging global trade routes for hydrogen and its derivatives and their role in connecting future emission energy importers markets (Europe, Japan and South Korea) to boost energy security and diversify supply.</i> <ul style="list-style-type: none"> ● <i>Policy and regulatory developments in MENA, Europe, Japan, South Korea</i> ● <i>Ports and infrastructures development to support economic diversification and energy security</i> ● <i>Speeding up the realization of common infrastructures, such as water, pipelines and port infrastructures</i> ● <i>Global standards and certification schemes to unlock the potential of export-import hubs</i>

	<ul style="list-style-type: none"> • <i>Low emission hydrogen in maritime: challenges and opportunities</i>
	<p>Impulse keynote address and moderator: Alicia Eastman, co-founder and Board Director, InterContinental Energy, Co-Host of 'Everything about Hydrogen'</p> <p>Speakers: Laurence Boisrame, Global Director – Hydrogen and CCUS, Bureau Veritas Abdullah Al Abri, Vice President Sustainability, Sohar Port & Free Zone Dimitar Enchev, Co- founder and CEO Europe, CWP Global Wouter Vanhoudt, Head of Global Business Development, Hincio & Coordinator, CertifHy</p>
10:30-11:15	<p>Top Executive Panel discussion: Green Energy Transport and Storage Options</p> <ul style="list-style-type: none"> • <i>Outlook of production and demand</i> • <i>Long distance transport options and costs</i> • <i>Comparison between different hydrogen carriers and storage options</i> • <i>Electrons vs Molecules</i> <p>Impulse Presentation: 'Storage, the new frontier': Frank Wouters, Chairman, MENA Hydrogen Alliance Scene Setting Presentation: Pascal Bayloq, President & CEO, Geostock</p> <p>Moderator: Frank Wouters, Chairman, MENA Hydrogen Alliance Speakers: Pascal Bayloq, President & CEO, Geostock Nicole Vermeulen, Chief Industrial Officer, Hy24 Markus Mitteregger, Chief Executive Officer, RAG Austria Nabil Nachi, Head of MEA CV New Business, Hyundai Motor Company</p>
11:15-11:45	Coffee Break & Networking
11:45-12:00	<p>What Can We Learn from China: Challenges of Power System Based on Renewable Energy Under Energy Transition</p> <p>Dr. Yalou Li, Deputy Director - State Grid Simulation Center, China Electric Power Research Institute (CEPRI)</p>
12:00-12:45	<p>Panel Discussion: Leveraging the Full Potential of Sustainable Aviation Fuels</p> <ul style="list-style-type: none"> • <i>Bridging the gap between capital and projects in Europe and MENA</i> • <i>How can a business case look like for SAF?</i> • <i>Who will the first offtakes be?</i> • <i>Development of quotas and other key regulatory elements globally</i> <p>Moderator: Marek Drywa, Director, Business Development for Low Carbon Energy, Worley Speakers: Andrès Isaza, Chief Commercial Officer, Smartenergy Sami Kamel, CEO, DutCo Cleatech Adamo Screnci, Vice President Business Development, NextChem</p>
12:45-13:30	<p>Panel Discussion: State and Trends of Global Carbon Markets and Trading Systems</p> <p><i>This session will gather players from carbon markets to discuss the status and outlook for including European Energy Exchange AG (EEX) to address the Global Trading System like ETS and the role of CBAM.</i></p> <ul style="list-style-type: none"> • <i>Is there a way towards a global trading system like ETS?</i>

	<ul style="list-style-type: none"> ● <i>Mandatory emissions trading vs voluntary schemes</i> ● <i>Implication of CBAM and expected price developments for CO2 scheme</i> ● <i>Impulse Presentation on State and Trends of Carbon Market by e.g. IEA/World Bank</i> <p>Moderator: Jan Haizmann, Secretary General, Zero Emissions Traders Alliance (ZETA) Speakers: Gottfried Steiner, Chief Executive Officer, Central European Gas Hub Matthijs Kusse, Strategy Manager, ACT Group Andrew Cullen, Global Head of Business Development, ACX (AirCarbon Exchange) Thorsten Bomm, Director of Market Design, ENOWA</p>
13:30-14:45	Lunch and Networking
14:45-15:15	<p>Deepdive: Why Liquid Hydrogen is the rising energy vector!</p> <p>Presentation: Prof. Dr. Ad van Wijk, Emeritus Professor Future Energy Systems, TU Delft</p> <p>Keynote speech: Martin Daum, member of the Board of Management, Daimler Truck (*pre-recorded)</p> <p>Presentation of a new Dii joint paper: ‘Liquid hydrogen – powering the energy transition’ by Simon Little, Director Clean Energy Sales MEA & India, Chart Industries & Frank Wouters, Chairman, MENA Hydrogen Alliance</p>
15:15-17:30	<p style="text-align: center;">Interactives ‘Dii Style’ Roundtables</p> <p><i>Participants will choose two roundtables (1 hour each) for an intimate and engaged discussion on a particular topic.</i></p> <p><i>Part I: Introduction of roundtables to the audience (10 min)</i></p> <p><i>Part II: Audience choose the first roundtable of interest (30 min)</i></p> <p><i>Part III: Audience change and choose the second roundtable of interest (30 min)</i></p> <p><i>Part IV: Audience change and choose the third roundtable of interest</i></p> <p><i>Part IV: Moderators wrap up and share key takeaways (20 min): predictions and assessments</i></p>
	<p>Roundtable 1: A New Kid on The Block: Blockchain Technology For The Energy Sector</p> <ul style="list-style-type: none"> ● <i>Co-moderators:</i> <ul style="list-style-type: none"> ○ Paul van Son, President, Dii Desert Energy ○ Rory O’Neill, Chairman, Electrina <p>Roundtable 2: Grids & infrastructure for an integrated energy system</p> <ul style="list-style-type: none"> ● <i>Moderator:</i> <ul style="list-style-type: none"> ○ Antonio Iliceto, Chairman, CIGRE Study Committee C1, Power System Development & Economics ○ Dr. Ghazi Osman, CEO, Al Gihaz Holding Energy <p>Roundtable 3: Powering Ships With Liquid Hydrogen: A Pathway For Zero-Emission Transportation. Can new types of partnerships decarbonize the maritime sector?</p> <ul style="list-style-type: none"> ● <i>Co-moderators:</i> <ul style="list-style-type: none"> ○ Frank Wouters, Chairman, Dii Liquid Hydrogen Taskforce ○ Dr. Niklas Hunsdiek, Senior Innovation Manager Startup Partnerships and Venture Building, E.ON Group Innovation <p>Roundtable 4: GCC Clean Energy Hub: Market Prices to Market Places hosted by ZETA</p> <ul style="list-style-type: none"> ● <i>Moderator:</i> <ul style="list-style-type: none"> ○ Jan Haizmann, Secretary General, Zero Emissions Traders Alliance (ZETA) ○ Thorsten Bomm, Director of Market Design, ENOWA <p>Roundtable 5: Perspectives of Storage: all Forms of Molecules and Electrons Storage</p> <ul style="list-style-type: none"> ● <i>Co-Moderator:</i> <ul style="list-style-type: none"> ○ Matthias Rudloff, CEO, AMBARtec AG

	<ul style="list-style-type: none"> ○ Thomas Korn, CEO & Co-Founder, water stuff & sun <p>Roundtable 6: Sector coupling: shaping the collaboration between Energy and Transport</p> <ul style="list-style-type: none"> ● Gert van Dijck, Renewable Energy Business Development, DHL <p>Roundtable 7: Support Schemes and Mechanisms for H2 Production, Transport and Off-take</p> <ul style="list-style-type: none"> ● Moderator: Carolina Lopez-Rocha, Energy Regulatory Specialist, World Bank <p>Roundtable 8: The role of critical minerals in clean energy technologies</p> <ul style="list-style-type: none"> ● Moderator: Dr. Dolf Gielen, Senior Energy Economist and Hydrogen Lead, World Bank
17:30-19:30	<p>Farewell Drinks reception <i>hosted by</i></p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>

Confirmed speakers:

- **Gunther Beger**, Managing Director of the Directorate for SDG Innovation and Economic Transformation, **UNIDO**
- **Marco Arcelli**, CEO, **ACWA Power**
- **Dr. Cetin Nazikkol**, Member of the Executive Board / Chief Strategy Officer, Segment Decarbon Technologies, **thyssenkrupp**
- **Paddy Padmanathan**, Co-Founder & Vice Chairman, **Zhero**
- **Michael Strugl**, Chairman of the Board, **VERBUND AG**
- **Markus Mitteregger**, Chief Executive Officer, **RAG Austria**
- **Petra Schwager**, Chief, Climate and Technology Partnerships (CTP) Division, **UNIDO**
- **Diederik Samsom**, former head of cabinet of EVP of the European Commission Timmermans, chair of the Supervisory board of Gasunie and special advisor to the **Egypt Mega Hydrogen Project**
- **Amir Sharifi**, Chief Investment Officer, **Hy24**
- **Dr. Olaf Berlien**, President & CEO, **INNIO**
- **Dan Feldman**, Global Head, Energy, **King & Spalding**
- **Harry Boyd-Carpenter**, Managing Director, Climate Strategy & Delivery, **EBRD**
- **Dimitar Enchev**, Co- founder and CEO Europe, **CWP Global**
- **Ebubekir Koyuncu**, CEO, **Air Products Qudra**
- **Marek Drywa**, Director, Business Development for Low Carbon Energy, **Worley**
- **Pascal Baylocq**, President & CEO, **Geostock**
- **Reda Hamedoun**, Executive Vice President - Power-to-X & Strategy, **NAREVA**
- **Daniel Schwappach**, Head of Sustainable Energy System Middle East and Africa, **Siemens Energy**
- **Andrès Isaza**, Chief Commercial Officer, **Smartenergy**
- **Antonio Iliceto**, Chairman, **CIGRE Study Committee C1, Power System Development & Economics**
- **Thorsten Herdan**, CEO, **HIF EMEA**
- **Carl Richers**, Vice President – Product Management and Marketing, **INNIO Jenbacher**
- **Gottfried Steiner**, Chief Executive Officer, **Central European Gas Hub**
- **Prof. Dr. Ad van Wijk**, Member of the Advisory Board, **Dii Desert Energy**
- **Dr. Yalou Li**, Deputy Director - State Grid Simulation Center, **China Electric Power Research Institute (CEPRI)**
- **Abdullah Al Abri**, Vice President Sustainability, **Sohar Port & Free Zone**
- **Nicole Vermeulen**, Chief Industrial Officer, **Hy24**
- **Klemens Schwarz**, Head of Business Steering & Marketing Green Hydrogen, **VERBUND Green Hydrogen**
- **Dr. Ghazi Osman**, CEO, **Al Gihaz Holding Energy**
- **Alicia Eastman**, co-founder and Board Director, **InterContinental Energy**, co-host, **Everything about Hydrogen Podcast**

- **Dr. Ute Collier**, Deputy Director of the Knowledge, Policy and Finance Centre (KPFC), **IRENA**
- **Florian Merz**, Associate Director, Business Development (Europe), **Masdar**
- **Prof. Dr. Ad van Wijk**, Emeritus Professor Future Energy Systems, **TU Delft**
- **Camille de Peretti**, Writer, Author of 'L'Inconnue du portrait'
- **Fred Wendt**, Executive Vice President, Group Director Energy & Climate Protection, Member of the Group Management Board, **ILF Consulting Engineers**
- **Sami Kamel**, CEO, **DutCo Cleatech**
- **Thorsten Bomm**, Director of Market Design, **ENOWA**
- **Nabil Nachi**, Head of MEA CV New Business, **Hyundai Motor Company**
- **Matthijs Kusse**, Strategy Manager, **ACT Group**
- **Ronald Grasman**, Vice President – Global Fuel Cell Cooperation & Head of HTWO Europe, **Hyundai Motor Company**
- **Alexander Sarac**, Partner, Head of Middle Infrastructure, Projects and Energy, **Addleshaw Goddard**
- **Laurence Boisrame**, Global Director – Hydrogen and CCUS, **Bureau Veritas**
- **Dr. Niklas Hunsdiek**, Senior Innovation Manager Startup Partnerships and Venture Building, **E.ON Group Innovation**
- **Andrew Cullen**, Global Head of Business Development, **ACX (AirCarbon Exchange)**
- **Matthias Rudloff**, CEO, **AMBARtec AG**
- **Raimondo Giavi**, Vice President Climatech Solutions Hydrogen & Strategy, Industrial Energy Technology Division, **Baker Hughes**
- **Jorgo Chatzimarkakis**, CEO, **Hydrogen Europe**
- **Carolina Lopez-Rocha**, Energy Regulatory Specialist, **World Bank**
- **Jan Frederik Braun**, Head of Hydrogen Cooperation (MENA Region), **Fraunhofer Institute for Solar Energy Systems ISE**
- **Dr. Sami Pelkonen**, Executive Vice President - Green Hydrogen, **Andritz**
- **Dr. Dolf Gielen**, Senior Energy Economist and Hydrogen Lead, **World Bank**
- **Adamo Screnzi**, Vice President Business Development, **NextChem**
- **Rory O'Neill**, Executive Chairman, **EuropaGrid**
- **Frank Obrist**, President & CEO, **Obrist**
- **Wouter Vanhoudt**, Head of Global Business Development, Inicio & Coordinator, **CertifHy**
- **Yusuf Macun**, Managing Partner, **Cranmore Partners**
- **Timo Bollerhey**, Chief Executive Officer, **H2Global Holding and Hintco**
- **Gert van Dijck**, Renewable Energy Business Development, **DHL**
- **Simon Little**, Director Clean Energy Sales MEA & India, **Chart Industries**
- **James Mittell**, Director, Energy Fund Investment Team, **Actis Energy**
- **Thomas Korn**, CEO & Co-Founder, water stuff & sun
- **MrityunJOY Samaddar**, Director BD Green H2, EU & India, **Envision Energy**
- **Marta Paier**, Senior Director - Partnerships & Ecosystem, **Worley Digital Consulting**
- **Simon Roth**, Management Consulting Director, **ILF Consulting Engineers**
- **Oussama Bayssi**, CCUS, Biomass & Agritechnology Manager, **IRESEN**

From the side of Dii Desert Energy and ZETA:

Paul van Son, President

Cornelius Matthes, CEO

Frank Wouters, Chairman

Jan Haizmann, Secretary General