

**Dii**

## Dii Desert Energy

---

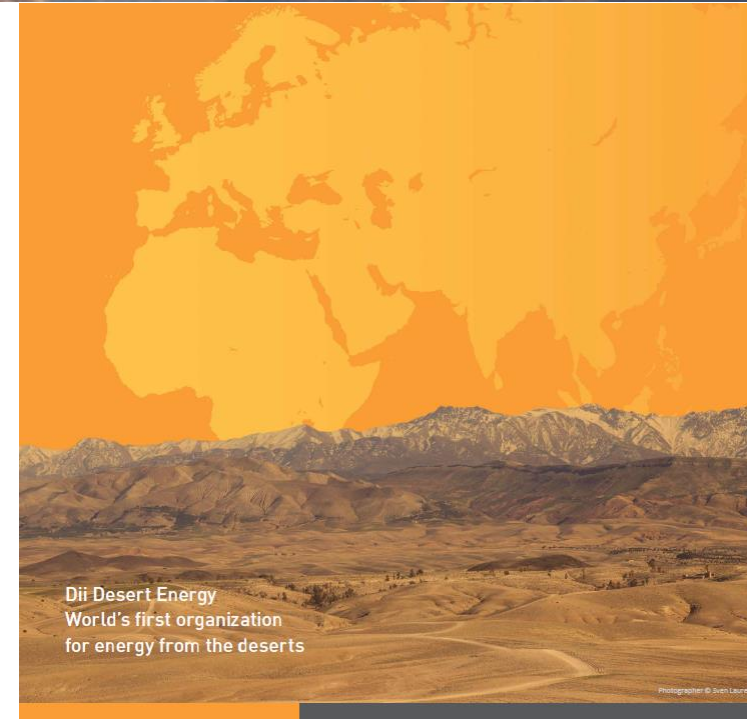
Dii Partner meeting on the occasion of the 11<sup>th</sup>  
Dii Desert Energy Leadership Summit

Valeria M. Aruffo, Director External Relations

*Dubai, 10 November 2021*

# Our Mission, no Emissions!

- A New brochure for Dii Partners
- MENA, Africa, East Asia, Europe: all united with a common goal
- 12 years as market enabler to accelerate the energy transition
- Desertec 3.0 pillars: green electrons and green molecules
- No green molecules without green electrons



## Our Mission: No Emissions!

Dii Desert Energy has been pioneering the energy transition in the MENA region since 2009

# What are we working for?

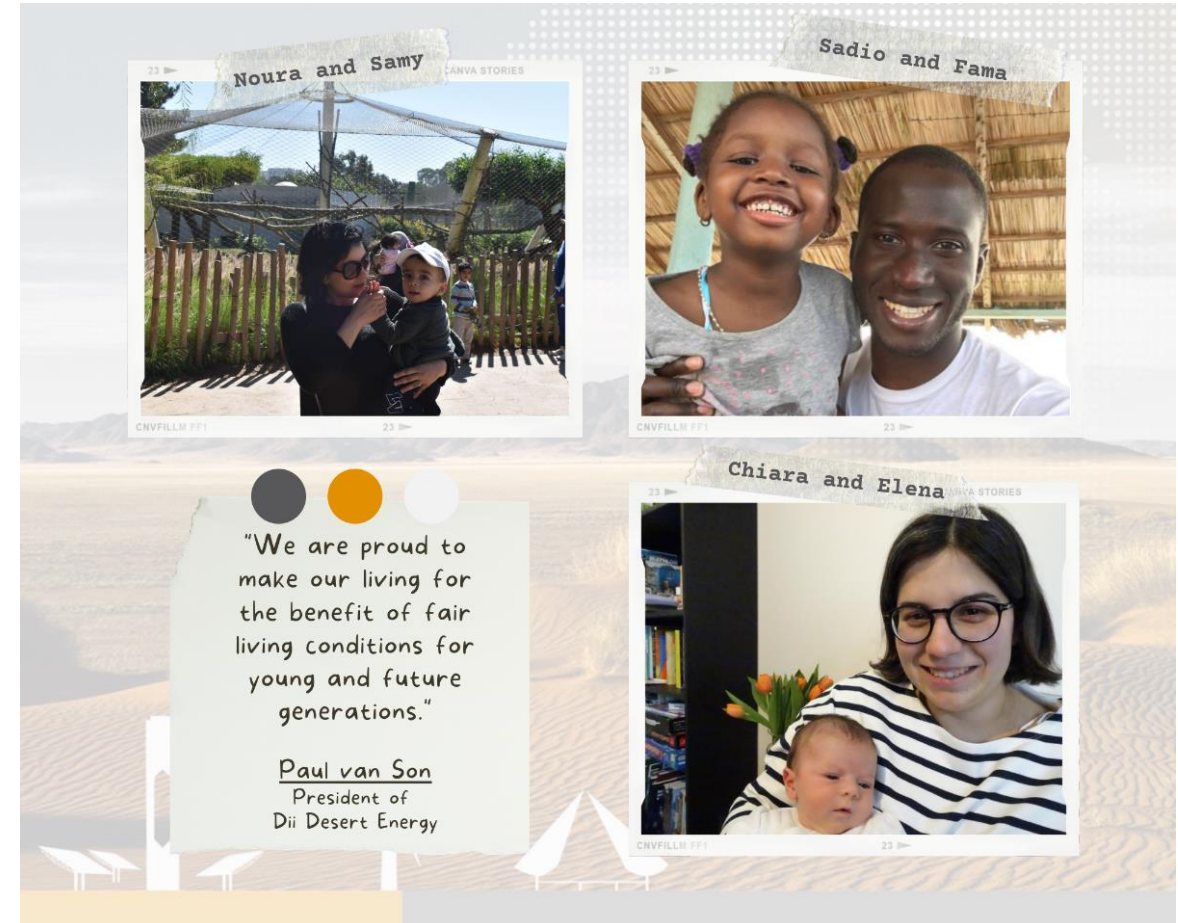
- Our Quarterly Newsletters highlights our focus on young and future generations

## Young Professionals Accelerating the Global Energy Transition



'Shaping the future of a sustainable and climate-neutral world has always been a dream I wanted to live for. In the past few years, I was working as a development engineer for water electrolysis and have been contributing to thyssenkrupp's research project Carbon2Chem®. The aim of the project is to convert steel mill gases into useful chemicals, and therefore, decarbonize the steel sector of our company.'

To read the full article 'Mission decarbonization: large-scale solution by thyssenkrupp's technologies' by Erika Nitno-Esser, Business Developer/ Technical Specialist Hydrogen & Green Chemicals, please [click here](#).



# Building international partnerships by sharing knowledge and connecting people



## THE ANNUAL Dii DESERT ENERGY LEADERSHIP SUMMIT

The Dii Desert Energy Leadership Summit, launched in 2010, has established itself as a unique, invitation-only event for the top leaders and decision makers in the MENA and international renewables sector. Over the past 12 years, the annual summit has been a forum to discuss the progress of Dii's work and some of the key topics to accelerate the energy transition in MENA and beyond.

It presents a platform for Dii partners and stakeholders to share experiences, expectations, and perspectives in the transforming energy markets in MENA and beyond. The summit forms part of Dii's wider roadmap of accelerating the energy transition in the Arab world by connecting regions, people and continents sharing Dii's mission 'No Emissions!'



# Events and Communication: presence of Dii Desert Energy since May 2021



Energy Storage  
in the MENA  
Region

Renewable  
Energy Sector:  
Week

H2 Tech  
Solutions

Middle East  
Energy  
exhibition (MEE)

Hydrogen Act  
paper Launch

IRENA Green  
Hydrogen White  
Paper

Algerian  
Business Club:  
green hydrogen  
webinar

Global Alliance  
Power Fuels:  
annual event

Financing the  
Energy  
Transition Across  
SSA

Opening Event  
Solar & Storage  
DigiCon (SSDC)  
2.0

Powering Africa  
Summit

Green Hydrogen  
in MENA

Mena Energy  
Meet

# Events and Communication: presence of Dii Desert Energy since May 2021



Solar Show MENA

Regional Insight Series: "Hydrogen's Potential"

World Hydrogen Congress

EXPO PtX Danish Pavillion

E.ON Innovation Days

Intersolar Europe

Wetex

Pollutec

Solar Power Briefing East Africa

IMPACT MENA

Future Investment Initiative

Dubai Expo

ESF MENA 2021 – Middle East Energy & Sustainability Forum

# The MENA Hydrogen Alliance: an historic opportunity for cooperation and collaboration

- Recognition in the Arab region and Europe
- New cooperation agreements from **IRESEN** (Morocco) and **RCREEE** (Egypt)
- Dii GmbH joins the **European Clean Hydrogen Alliance**
- Participation of **Hydrogen Europe** and **CertifHy** at the Dii (hybrid) partners' meeting in February
- Continuous keynotes, panel participations, podcast and interviews






European Clean  
Hydrogen Alliance

Kick-starting the EU Hydrogen Industry to  
achieve the EU climate goals




# The MENA region is leading the way for the Energy Transition

The MENA region at the heart of Gas infrastructure is ideally positioned for a leading role! 



Natural gas infrastructure Europe - North Africa (left figure) and first outline for a hydrogen backbone infrastructure Europe-North Africa (figure above). An existing gas infrastructure from Algeria and Morocco could be converted to a hydrogen infrastructure (grey-orange lines). A "new" hydrogen transport pipeline must be realized from Italy to Greece, crossing the Mediterranean Sea to Egypt, which could eventually be extended to the Middle East (orange line).



24 September 2021

WEBINAR

**BloombergNEF:**  
**Energy transition opportunities**  
**in the Middle East & Africa**

September 15 - 16 & 22 - 23, 2021 | 15:00 - 16:00 GST

**Bloomberg**

With a rising focus on the effective integration of renewable energy, the importance of electric vehicles and reliable, resilient energy supply, energy storage is becoming an increasingly important tool in the electricity ecosystem. With Energy Storage rising to the forefront of industry developments, **World Energy Storage Day** is celebrated on 22nd September every year by various global industry stakeholders, policy makers, think tanks and associations to acknowledge its importance across the globe.



The "Energy transition opportunities in the Middle East & Africa" series consists of four events, during which the experts will discuss the impact of the low-carbon transition on oil and gas demand, the potential of hydrogen, the outlook for Africa's battery metals, and the opportunity for renewables in Sub-Saharan Africa.



# Dii at Expo 2020: Sustainability Week



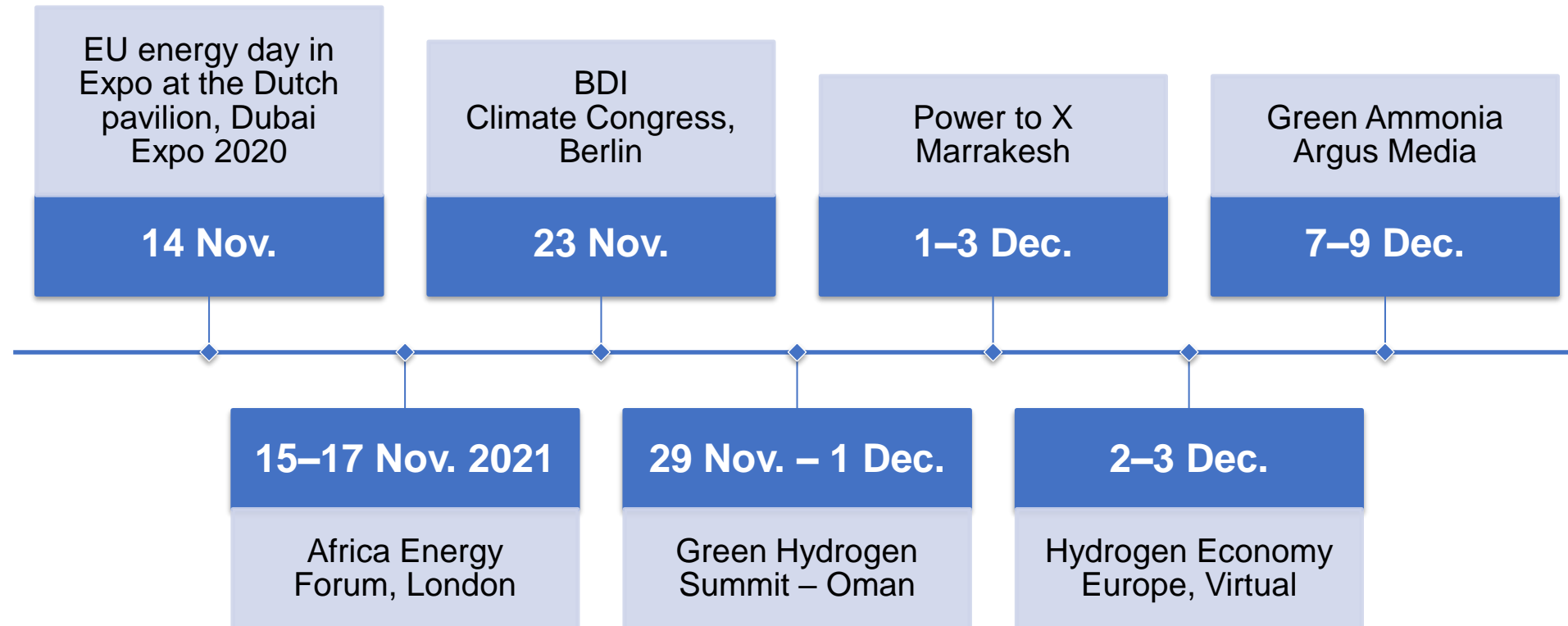
At the first EU's Expo event: 'EU Green Deal - Research and Innovation as a driver towards Climate Neutrality', organised by the European Union, and hosted at the Sweden Pavilion, Dubai Expo.

A successful partnership with The Trade Council of Denmark in MENA for the high-level green hydrogen event at the Etihad Museum in Dubai. Frank Wouters presented the outcomes of our recent report '[The Potential of Green Hydrogen in the GCC Region](#)', in cooperation with [Roland Berger](#). It was great to engage with H.E. Ambassador Franz-Michael Skjold Mellbin and H.E. Jens Alsbrink, Consul General and Head of Mission to accelerate clean energy development.



[IRESEN](#) hosted the side-event 'Green Hydrogen: Key to Decarbonizing the Economy?', in the Morocco Pavilion. Participants include: Mena Hydrogen Alliance, Iresen, Amee, Siemens Energy, Engie, Aaqius, Roland Berger, thyssenkrupp, Haldor Topsoe. Full recording is available [here](#).

# Upcoming activities – finally reunited



# SAVE THE DATE! 2<sup>ND</sup> World MENA Hydrogen

- 15-17 March, Dubai
- Focus on MENA region to deliver green hydrogen, leveraging its rich solar and wind power capacity coupled with first-class energy infrastructures
- EU's ambitious green hydrogen targets makes exported hydrogen essential, eyes are turning to the MENA region and its vital role in the global hydrogen economy

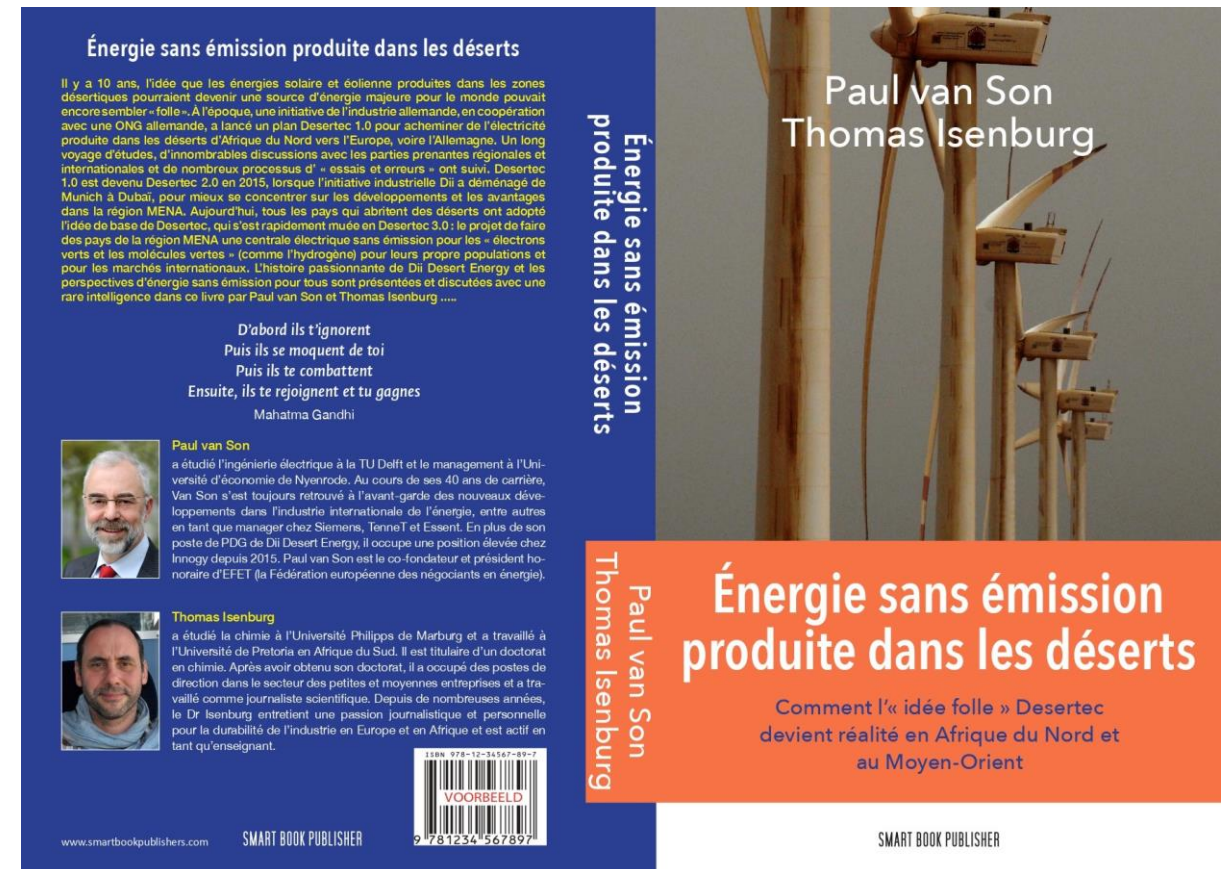


The poster features the logos for 'world hydrogen leaders' and 'MENA Hydrogen Alliance' (An initiative of Dii Desert Energy). It is presented by 'World Hydrogen MENA' and is an 'International Collaboration & Strategy Forum' held from '15-16 March 2022' in 'Dubai, United Arab Emirates'. Below the title is an 'AGENDA AT A GLANCE' table.

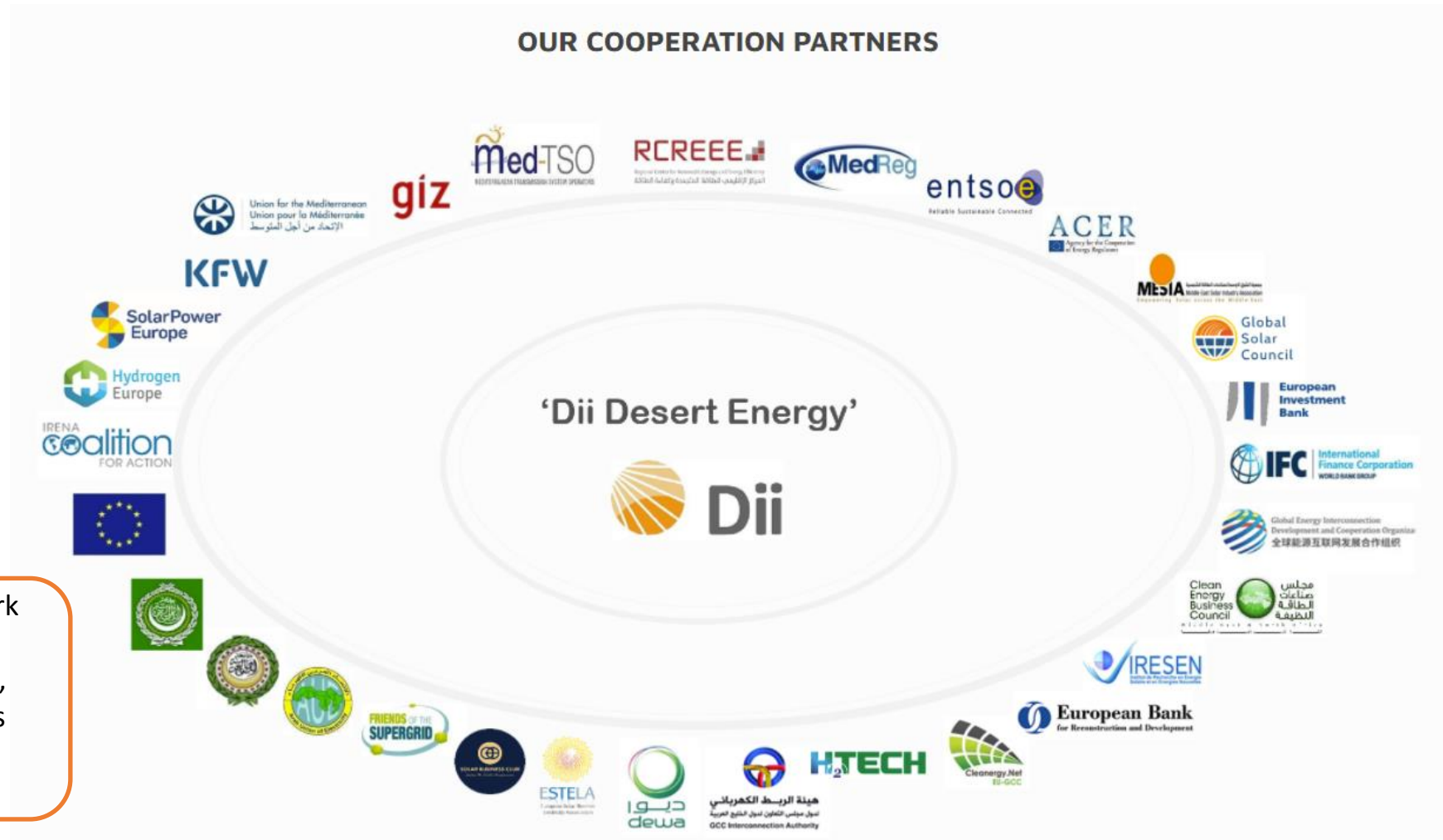
AGENDA AT A GLANCE	
Day One	Day Two
MENA Hydrogen Policy & Strategy	Transportation & Storage
Production Pathways	Case Studies and Technology Innovations
Investment & Trade	Financing & Infrastructure

# Énergie sans émission produite dans les deserts

- Published in 2019, German and English
- How a ‘Crazy Desertec’ idea has become reality in the sense of expanding renewable energy in North Africa and the Middle East and potential for massive export of green electrons and molecules
- Update and translation into French to ‘zoom’ into the perspective of ‘green electrons and molecules’ in Maghreb (2021)



# Cooperation Dii Desert Energy with Regional and International Institutions



Maintaining a network of associations, industrial initiatives, development banks & NGOs

# Planning 2022: main topics & activities

- **Desertec 3.0:** new policy papers and strategic reports
  - Associated Partners and Lead Partners: focus from acquisition to management and leveraging of network
  - **Conferences, social media and communication:** reinforcing our pioneering role focusing on ‘No green molecules without green electrons’
  - Launch of **Dii Energy Transition Fund**
  - Improve **partner section** on Dii website
- 
- Please let us know your wishes and suggestions!



Dii

Thank You For  
Your Attention!

