

UNDER THE PATRONAGE OF  
H.H. SHEIKH KHALIFA BIN ZAYED AL NAHYAN  
PRESIDENT OF THE UNITED ARAB EMIRATES



ENERGY FOR PROSPERITY

# 24<sup>th</sup> WORLD ENERGY CONGRESS

ABU DHABI  
12 - 9 SEPTEMBER 2019

## CONGRESS BROCHURE

HOST  
SPONSORS



[www.wec24.org](http://www.wec24.org)



## WELCOME MESSAGE

Dear Friends and Industry Colleagues,

In September 2019, over 10,000 international energy stakeholders are expected to come together in Abu Dhabi for the 24<sup>th</sup> World Energy Congress, which will be held under the patronage of H.H. Sheikh Khalifa Bin Zayed Al Nahyan, President of the United Arab Emirates.

Under the theme 'Energy for Prosperity', the Congress will be a global leadership forum that defines the strategy for a collaborative, sustainable and innovative energy future that enables societal, commercial and community prosperity. Between now and the Congress, we will be working hand in hand with both our regional partners and the World Energy Council global community to shape the best event in the history of the Congress.

The United Arab Emirates is honoured to be hosting the Congress, which builds on and reflects the ambitious energy transformation that the country is going through at present. We recently announced two of the largest solar generation projects in the world, and have also embarked on a large-scale civil nuclear programme.

Under the UAE's 2050 Energy Strategy, generation from clean energy sources will increase to make up a 50 percent share of generation capacity, and we are also investing in energy efficiency initiatives.

Innovation is the cornerstone of the steps we are taking in clean energy and aligned sectors such as transportation, technology, and water. I am very pleased, therefore, that the topic of innovation will run through both the programme of the Congress, as well as the exhibition running alongside.

We look forward to welcoming government and industry leaders, academia, media, NGOs and other global energy stakeholders to Abu Dhabi.

Yours faithfully,

**Suhail Al Mazrouei**

President of the  
24<sup>th</sup> World Energy Congress

Supported by



UNITED ARAB EMIRATES  
MINISTRY OF ENERGY & INDUSTRY



**WORLD  
ENERGY  
COUNCIL**



**Christoph Frei**  
Secretary General & CEO,  
World Energy Council



**H.E. Dr. Matar Al Neyadi**  
Chairman, 24<sup>th</sup> World Energy Congress  
Organising Committee & Vice-Chairman,  
UAE National Committee, World Energy Council

## About the World Energy Council

- Formed in 1923
- Largest global network of energy leaders and practitioners dedicated “to promote the sustainable supply and use of energy for the greatest benefit of all people”
- As a UN-accredited global energy body, it represents the entire energy spectrum and works with governments, agencies and companies to help inform policy development and strategic decision making and planning
- It has over 3,000 member organisations located in over 90 countries
- Members include governments, private and state corporations, academia, NGOs and energy related stakeholders

## WORLD ENERGY CONGRESS

The only event that covers the entire energy spectrum

The flagship event of the World Energy Council, the World Energy Congress is the largest and most influential energy event covering all aspects of the energy agenda. Running since 1924, the triennial World Energy Congress enables dialogue among Ministers, CEOs and industry

experts on critical developments in the energy sector. As the world's premier energy gathering, the Congress offers a unique opportunity for participants to better understand energy issues and solutions from a global perspective.



BE PART OF THE LEADING GLOBAL EVENT FOR  
POLICY MAKERS IN THE ENERGY SECTOR



## CONVENING, CONNECTING, LEADING - SINCE 1924

A worldwide event

Over the **-90year** history of the World Energy Council, the Congress has been staged in over **20** cities across the world.





## The 24<sup>th</sup> WORLD ENERGY CONGRESS

### Congress Theme: “Energy for Prosperity”

The Congress will be a global leadership forum that defines the strategy for a collaborative, sustainable and innovative energy future that enables societal, commercial and community prosperity.

#### EVENT OVERVIEW



#### WHO SHOULD ATTEND?

##### Delegate Profile:

Government Representatives  
& Policy Makers  
Senior Energy Executives  
Association Members  
Academia and Think Tanks  
Young Professionals & Students  
Journalists & Broadcasters



#### SECTORS COVERED

Oil and Gas  
Renewables  
Nuclear  
Hydropower  
Power Generation  
Energy Storage  
Infrastructure  
Grid Technology  
Mobility  
Clean Energy

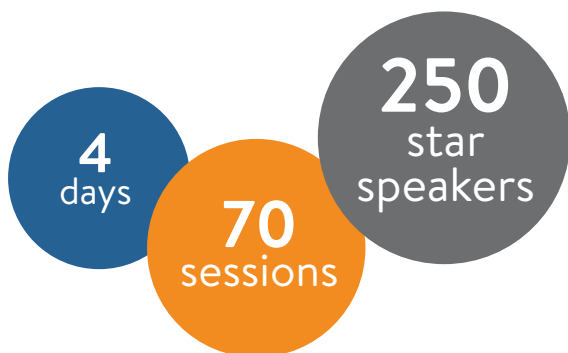


## REGISTRATION IS NOW OPEN!

[www.wec24.org](http://www.wec24.org)

## PROGRAMME

A relevant and provocative agenda



Under the theme, “Energy for Prosperity”, the programme of the 24<sup>th</sup> World Energy Congress focuses on today’s critical issues facing the energy industry. The Congress creates opportunities for global dialogue and consensus building as we work together to deliver practical solutions for sustainable, secure and inclusive energy that provides prosperity for all.



## KEY THEMES

1

GLOBAL SCENARIOS AND REGIONAL PERSPECTIVES

2

TRANSFORMATIVE INNOVATION

3

MARKETS, BUSINESS MODELS AND CONSUMER DYNAMICS

4

TRILEMMA AND SUSTAINABLE DEVELOPMENT

5

EFFICIENCY AND DYNAMIC RESILIENCE

6

GOVERNANCE FRONTIERS

7

SECTOR COUPLING: MOBILITY, STORAGE AND ENERGY-WATER-FOOD NEXUS

8

MANAGEMENT FOR THE FUTURE

9

FINANCE AND INVESTMENT

## WORLD ENERGY COUNCIL EVENTS (By invite only)

**WORLD  
ENERGY  
COUNCIL**

**World  
Energy  
Leaders'  
Summit**

### WORLD ENERGY LEADERS' SUMMIT (WELS)

The WELS are high-level exclusive events reserved for the global energy leaders' community to facilitate dialogue on critical issues affecting the energy sector.

**CEO Roundtable: Tuesday, 10<sup>th</sup> September**

**Trilemma Ministerial Roundtable: Wednesday, 11<sup>th</sup> September**

**WORLD  
ENERGY  
COUNCIL**

**Future  
Energy  
Leaders**

### FUTURE ENERGY LEADERS' PROGRAMME (FELs)

The Future Energy Leaders' Programme of the World Energy Council is designed to inspire, grow and develop the world's energy leaders of tomorrow. This exclusive network of exceptional individuals from across the globe includes a diversity of participants from across the energy spectrum. It offers young professionals a unique opportunity for learning and development with exposure to critical issues in the energy debate.

**9<sup>th</sup> - 12<sup>th</sup> September**

## SIDE EVENTS & STRATEGIC PARTNERSHIPS

The 24th World Energy Congress is a global platform, boasting a wide range of public and private side events. Contact the organisers to get involved.

### Side Events



### Strategic Partnerships



## THE UAE NATIONAL ENERGY PLAN 2050

A competitive spirit and a bold vision

At the start of 2017 the UAE Ministry of Energy and Industry announced a far-sighted UAE National Energy Plan 2050 with cross-Emirate support. This includes plans to cut carbon dioxide emissions by 70 per cent in the power and water sector, increase clean energy renewable energy and nuclear capacity by 50 per cent, and improve energy efficiency by 40 per cent across all key energy sectors by the middle of this century. The targets recognise the current planned clean coal developments, and the existence and commissioning of four nuclear power plants and the renewable energy projects. The breakdown is given as 44 per cent from renewable energy sources (RES); 38 per cent

from gas 12 per cent from clean coal and 6 per cent from nuclear power.

The objective of the UAE National Energy Plan 2050 is to deliver clean, secure, affordable energy and respond to the risks of climate change by reducing greenhouse gas emissions. Through this plan, MoEI is looking to ensure energy security and happiness of the UAE while supporting the country's transition to a green and diverse economy. Several scenarios were tested by MoEI to identify the optimal electricity capacity mix, keeping in mind affordability and security of energy from now until 2050. Figure 1 shows the different indices that were used to evaluate the scenarios, and their respective weight for decision-making.

**Figure 1**  
**MoEI's Indices for Scenario Evaluation and Weightage**



### ENERGY SECURITY AND RELIABILITY

**%40**

- Per cent of Imported Fuel used in Total Energy Mix
- Number of Energy Sources



### ENERGY AFFORDABILITY

**%30**

- Average Cost of electricity production
- Total investment for capacity additions



### SUSTAINABILITY

**%15**

#### Clean Energy and Emissions

- CO2 emissions per \$GDP
- Share of clean energy in generation mix

#### Energy Efficiency and Productivity

- Electricity use per capita
- GDP Per Unit of Primary Energy Use



### HAPPINESS

**%15**

- Difference in Cost of Electricity Production from 2013
- Total emissions for electricity sector

Source: UAE Ministry of Energy and Industry - UAE Energy Plan 2050 Report.



## ABU DHABI

A world-class tourism destination



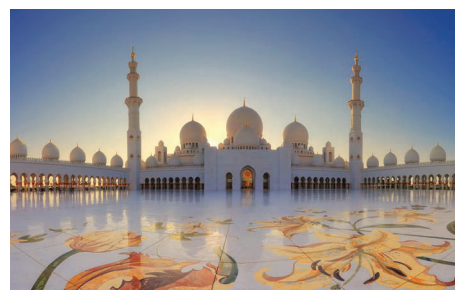
Abu Dhabi is the capital of the United Arab Emirates and the country's largest emirate with over 1.6 million residents. The Emirate is a blend of diversity: from the contemporary chic of downtown Abu Dhabi to the timeless Bedouin traditions of the surrounding mountains, deserts and the sandy beaches. With an ultra-modern infrastructure, which befits its status as the economic and political hub of the UAE, Abu Dhabi perfectly combines its role as a business and tourist destination.

## A WINNING COMBINATION

Where ultra-modern infrastructure meets Arabian hospitality

Travel and Destination Partner

hala  
abu dhabi



- A stylishly decorated and flexible venue
- A -15minute drive to the Abu Dhabi International Airport
- Flights to more than 80 destinations in 46 countries around the globe
- Special rates secured for Congress delegates for a wide array of different accommodation options
- Exciting tours arranged for Congress delegates to discover Abu Dhabi

# The Venue

## THE ABU DHABI NATIONAL EXHIBITION CENTRE (ADNEC)

Located at the heart of Abu Dhabi

**3,600**  
seat (tiered)  
plenary hall

**+30**  
dedicated  
sponsor meeting  
rooms

**9**  
conference  
rooms

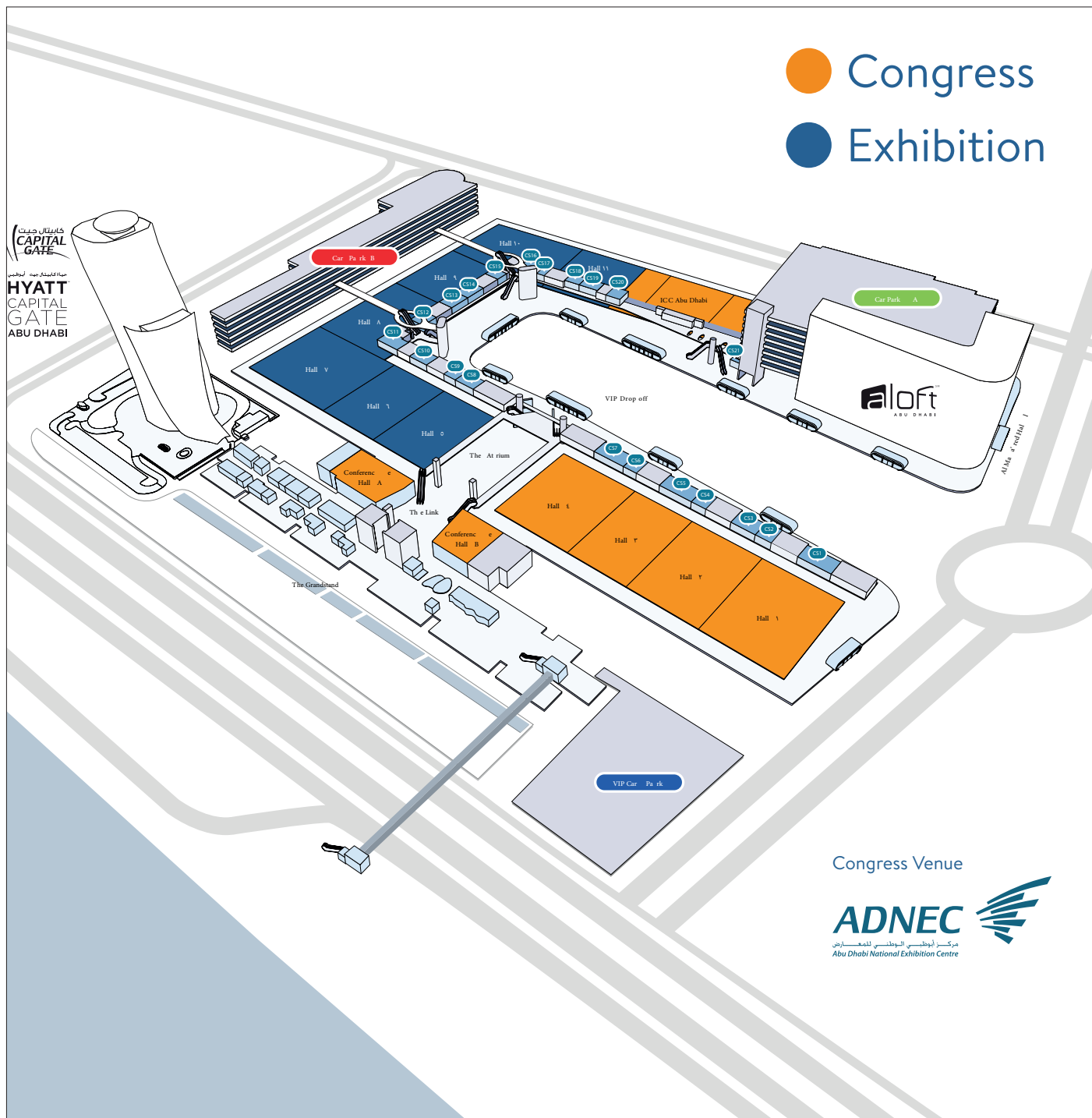
**7**  
exhibition  
halls

Exclusive  
World Energy  
Leaders Lounge

Dedicated  
bilateral  
meeting  
facilities

Reserved  
VIP car  
drop-off

Onsite  
airport  
check-in  
facilities





## WAYS TO PARTICIPATE

### SPONSOR

The 24<sup>th</sup> World Energy Congress offers sponsorship and partnership packages designed to provide unique access, visibility and economic benefits at the Congress. With extensive branding, unique VIP facilities, access to the list of participants ahead of the Congress, exclusive meeting rooms and many other features, sponsorship enables companies to maximise their participation at the Congress.



### EXHIBIT

With participation from over 150 countries, the exhibition of the 24<sup>th</sup> World Energy Congress will be the window and the meeting place of the Congress. Located at the heart of the Congress venue, the exhibition will enable the 15,000 participants of the Congress to locate your company and see your brand.



### REGISTER AS DELEGATE

The delegate pass will give you access to all four days of the Congress, Luncheons, Networking Events and Exhibition.

**REGISTRATION IS NOW OPEN!! [www.wec24.org](http://www.wec24.org)**



### REGISTER AS MEDIA

Cover game-changing insight and be part of 600 visiting media from all over the globe. Unique facilities and access will be provided to the media to cover the Congress. Only media with editorial titles will have free access to the Congress and Exhibition.



### ORGANISE YOUR OWN SIDE EVENT

Interested organisations from governments, inter-governmental organisations, civil society, private sector and other stakeholder groups are invited to express their interest in organising side events during the Congress. Event space at ADNEC is available on a first-come, first-serve basis.



## CONTACT US

Sponsorship and Exhibition Sales  
[sales@wec24.org](mailto:sales@wec24.org)

Delegate Registration Queries  
[registration@wec24.org](mailto:registration@wec24.org)

Programme and Speaking Queries  
[speakers@wec24.org](mailto:speakers@wec24.org)

Media Partnerships and to organize your own event  
[info@wec24.org](mailto:info@wec24.org)

## Host Sponsors

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DEPARTMENT OF ENERGY



## Co-host Sponsors



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## Official Airline Partner



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MINISTRY OF ENERGY & INDUSTRY



هيئة الإمارات للمواصفات والمقاييس  
Emirates Authority For Standardization & Metrology

# GET INVOLVED

✉ [info@wec24.org](mailto:info@wec24.org) | 🌐 [www.wec24.org](http://www.wec24.org) | 🐦 @WECongress | 🔗 24th World Energy Congress

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