

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

24th World Energy Congress

Main Programme

Abu Dhabi, 12-9 September 2019

WORLD
ENERGY
COUNCIL



ENERGY FOR PROSPERITY



Whether you are a minister, CEO, investor or innovator – the World Energy Congress delivers an inspirational programme that will challenge your thinking, get you ahead of the curve, and give you the courage to set ambitious targets and the tools to achieve them.

In September 2019, the world's energy leadership will meet in Abu Dhabi to determine a course of energy prosperity

for nations, companies, societies, the environment and individuals.

Conference sessions bring together both established experts and the radical thinkers from across the globe, and ensure a balance of opinion from the recognised, the provocative, the aspirational, the disruptive and the proven from across the energy ecosystem. The discussions are happening there – make sure you are in the room where it happens.

KEY FIGURES



INDICATIVE PROGRAMME*

| MONDAY 9 TH SEPTEMBER | |
|--------------------------------------|---|
| New Visions of Energy for Prosperity | |
| Opening Ceremony | |
| 09:50 – 09:00 | Keynote Speech / Special Address |
| 11:15 – 10:00 | Opening Plenary |
| 15:30 – 11:45 (Including lunch) | Interactive Parallel Sessions <ul style="list-style-type: none"> • New visions of energy: succeeding in a context of disruption • Digitalisation and future energy systems • New technology frontiers • The role of Hydrogen in a sustainable and secure energy future • The future of nuclear • The future of mobility • Energy storage: trends and drivers • Global renewables update • The future of coal • The circular economy: what is a realistic outlook? • Deep decarbonisation: new strategies for zero emissions |
| 17:30 – 16:00 | Closing Plenary |

*Subject to change

| TUESDAY 10TH SEPTEMBER | |
|---|---|
| Business-as-(un)usual: the opportunity of change | |
| CEO Roundtable | |
| 09:50 – 09:00 | Keynote Speech / Special Address |
| 11:15 – 10:00 | Opening Plenary |
| 15:30 – 11:45 <i>(Including lunch)</i> | Interactive Parallel Sessions <ul style="list-style-type: none"> • The new people power: driving change for sustainable energy • New modes of leadership – from profit to purpose • Skills, talent and leadership: the energy professional of the future • Getting to grips with blockchain: do the case studies support the hype? • Big energy challenges: overcoming inertia in investment and ambition • To invest or divest: new realities and responsibilities • Financing energy • Trade - commodities and cohesion • Rethinking hydro: powering tomorrow's world • Communities and the social license to operate • Cyber Security: three clicks from collapse • The future of hydrocarbon economies |
| 17:30 – 16:00 | Closing Plenary |

| WEDNESDAY 11TH SEPTEMBER | |
|---|--|
| Inclusive prosperity: New policy imperatives | |
| Ministerial Roundtable | |
| 09:50 – 09:00 | Keynote Speech / Special Address |
| 11:15 – 10:00 | Opening Plenary |
| 15:30 – 11:45 <i>(Including lunch)</i> | Interactive Parallel Sessions <ul style="list-style-type: none"> • New energy realities: trade barriers and protectionism • Energy-water-food: exploring the perspectives • The new energy security agenda • Rethinking the trilemma: synergies and co-benefits • Energy access: from lightbulbs to livelihoods • The new energy efficiency agenda • Reforming global energy governance for collective outcomes • Rethinking climate change: better metrics, better outcomes • SDGs and the carbon+ agenda • Progressing the vision for regional integration • Countering short-termism : selling the long term vision • Megaprojects: global impact, global implications • Nurturing the innovation ecosystem |
| 17:30 – 16:00 | Closing Plenary |

THURSDAY 12TH SEPTEMBER

Innovation: The pathway to prosperity

Closing Ceremony

| | |
|--|---|
| 09:50 – 09:00 | Keynote Speech |
| 11:15 – 10:00 | Opening Plenary |
| 15:30 – 11:45 <i>(Including lunch)</i> | Interactive Parallel Sessions <ul style="list-style-type: none">• Startup energy transition: the power of the bold• The innovation ecosystem: what does success look like?• Learning from failure: innovate or die• Driving innovation through diversity• Good questions boards should be asking about IoT and AI• Innovations in energy: technology push, society pull• Agile giants: incumbents as entrepreneurs• From kit to bit and chit• Driving change at the city level |
| 17:30 – 16:00 | Closing Plenary |



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



WORLD ENERGY COUNCIL EVENTS



ABU DHABI AS A BUSINESS DESTINATION

It is no coincidence that the UAE was invited to host the 24th World Energy Congress. In 2017, UAE launched a 2050 Energy Strategy that is ground-breaking in its ambition to develop clean energy, curb energy demand and manage emissions. Abu Dhabi is a great destination for the business traveller; it was recently voted the safest city in the world for a second year running. The city is a welcoming host with a full spectrum of local and international foods and hotels, and boasts a feast of sightseeing from the Grand Mosque to some of the world's most extraordinary modern architecture. We guarantee a warm reception for our visitors from across the world and promise that you will be back!



Registration is now open
Early bird offer ends on 28th Feb 2019

✉ info@wec24.org | 🌐 www.wec24.org | 🐦 @WECongress

🌐 24th World Energy Congress

Speakers

A few from our 250 global energy lineup

(in alphabetical order by Country for Governments and by Organisation for all other categories)

| GOVERNMENT | | | |
|---|--|---|--------------------------|
| Name | Title | Organisation | Country |
| H.E. Macky Sall | President | Government of Senegal | Senegal |
| H.E. Mustapha Guitouni | Minister of Energy | Government of Algeria | Algeria |
| H.E. Joao Baptista Borges | Minister of Energy and Water | Government of Angola | Angola |
| H.E. Abdul Hussain bin Ali Mirza | Minister of Electricity and Water | Government of Bahrain | Bahrain |
| H.E. Shaikh Mohammed bin Khalifa Al Khalifa | Minister of Oil | Government of Bahrain | Bahrain |
| H.E. Bachir Ismael Ouedraogo | Minister of Energy | Government of Burkina Faso | Burkina Faso |
| H.E. Como Manirakiza | Minister of Energy and Mines | Government of Republic of Burundi | Burundi |
| H.E. Gabriel Mbaga Obiang Lima | Minister of Mines, Industry and Energy | Government of Equatorial Guinea | Equatorial Guinea |
| H.E. Hala Adel Zawati | Minister of Energy and Mineral Resources | Government of Jordan | Jordan |
| H.E. Mohammed Hammad Al-Rumhy | Minister of Oil and Gas | Government of Oman | Oman |
| H.E. Arnaldo Wiens Durksen | Minister of Public Works and Communications | Government of Paraguay | Paraguay |
| H.E. Aleskandr Valentinovich Novak | Minister of Energy | Government of the Russian Federation | Russian Federation |
| H.E. Khalid Al-Falih | Minister of Energy, Industry & Mineral Resources | Government of Saudi Arabia | Saudi Arabia |
| H.E. Suhail Mohamed Al Mazrouei | Minister of Energy & Industry | Government of the UAE | United Arab Emirates |
| H.E. Sultan Ahmed Al Jaber | Minister of State; CEO | Government of the UAE; Abu Dhabi National Oil Company (ADNOC) | United Arab Emirates |
| H.E. Matar Al Neyadi | Undersecretary; Chairman | UAE Ministry of Energy and Industry; Organising Committee of the 2019 World Energy Congress | United Arab Emirates |
| H.E. Fatima Alfoora Al Shamsi | Assistant Undersecretary for Electricity, Water and Future Energy; CEO | UAE Ministry of Energy and Industry; Organising Committee of the 2019 World Energy Congress | United Arab Emirates |
| Dan Brouillette | Deputy Secretary of Energy | Government of the United States of America | United States of America |
| H.E. Abdullah Mohsen Al-Akwa | Minister of Electricity and Energy | Government of Yemen | Yemen |

| IGOs | | | |
|----------------------|---|--|--------------------------|
| Name | Title | Organisation | Country |
| Luis Carranza Ugarte | Executive President & Chief Executive Officer | CAF - Development Bank of Latin America | Venezuela |
| Fatih Birol | Executive Director | International Energy Agency (IEA) | France |
| Mohammad Barkindo | Director General | Organization of the Petroleum Exporting Countries (OPEC) | Austria |
| Riccardo Puliti | Senior Director, Energy and Extractives Global Practice | World Bank | United States of America |

| BUSINESS | | | |
|----------------------|--|--|--------------------------|
| Name | Title | Organisation | Country |
| Lorenzo Simonelli | President & Chief Executive Officer | Baker Hughes - a GE Company | United States of America |
| Martin Bruder Müller | Chief Executive Officer | BASF | Germany |
| Atul Sobti | Chairman and Managing Director | Bharat Heavy Electricals Limited (BHEL) | India |
| Steve Bolze | Senior Managing Director and Global Head of Infrastructure Operations and Asset Management | Blackstone | United States of America |
| Richard Lancaster | Chief Executive Officer; Executive Chair, Innovation | CLP Power Hong Kong Ltd.; World Energy Council | Hong Kong SAR |

BUSINESS (continued)

| Name | Title | Organisation | Country |
|---------------------------|---|--|--------------------------|
| Remi Eriksen | Group President and Chief Executive Officer | DNV GL | Norway |
| Saeed Mohammed Al Tayer | Managing Director and Chief Executive Officer | Dubai Electricity and Water Authority | United Arab Emirates |
| Johannes Teyssen | Chief Executive Officer | E.ON | Germany |
| Jean-Bernard Lévy | Chairman & Chief Executive Officer | Electricité de France (EDF) | France |
| Joanna Hubbard | Chief Operating Officer | Electron | United Kingdom |
| Mohamed Al Hammadi | Chief Executive Officer | Emirates Nuclear Energy Corporation (ENEC) | United Arab Emirates |
| Isabelle Kocher | Chief Executive Officer | ENGIE | France |
| Claudio Descalzi | Chief Executive Officer | ENI | Italy |
| Pekka Lundmark | President & Chief Executive Officer | Fortum Electricity Company | Finland |
| Alexander Medvedev | Deputy Chairman of the Management Committee | Gazprom | Russia |
| Russell Stokes | President & Chief Executive Officer | GE Power | United States of America |
| Jérôme Pécresse | President and Chief Executive Officer | GE Renewable Energy | France |
| Eric Martel | President & Chief Executive Officer | Hydro-Quebec | Canada |
| Mohammed Jameel Al Ramahi | Chief Executive Officer | Masdar | United Arab Emirates |
| Mussabeh Al Kaabi | CEO Petroleum & Petrochemicals | Mubadala | United Arab Emirates |
| Gurdeep Singh | Chairman and Managing Director | NTPC Ltd. | India |
| Josu Jon Imaz | Chief Executive Officer | Repsol | Spain |
| Alexey Likhachev | Director General | Rosatom | Russia |
| Lisa Davis | Member of the Managing Board | Siemens AG | United States of America |
| Guenter Butschek | CEO & Managing Director | Tata Motors Group | India |
| Miguel Gutierrez | Chairman | Yacimientos Petrolíferos Fiscales (YPF) | Argentina |

CIVIL SOCIETY AND KEY EXPERTS

| Name | Title | Organisation | Country |
|---------------------|-------------------------------------|------------------------------------|--------------------------|
| Frederick Kempe | Chief Executive Officer | Atlantic Council | United States of America |
| Andreas Kuhlman | Chief Executive | DENA | Germany |
| Craig Bennett | Chief Executive Officer | Friends of the Earth | United Kingdom |
| Sandra Ro | Chief Executive Officer | Global Blockchain Business Council | United States of America |
| Xiansheng Sun | Secretary General | International Energy Forum | Saudi Arabia |
| Robert C. Armstrong | Director | MIT Energy Initiative | United States of America |
| Agneta Rising | Director General | World Nuclear Association | United Kingdom |
| Andrew Steer | President & Chief Executive Officer | World Resources Institute | United States of America |
| Manuel Pulgar-Vidal | Global Leader for Climate & Energy | WWF International | Switzerland |

WORLD ENERGY COUNCIL GLOBAL LEADERSHIP

| Name | Title | Organisation | Country |
|---------------------|--|-------------------------------------|----------------|
| Christoph Frei | Chief Executive Officer | World Energy Council | United Kingdom |
| Younghoon David Kim | Chair; Chairman & Chief Executive Officer | World Energy Council; Daesung Group | South Korea |
| Leonhard Birnbaum | Member of the Board of Management; Vice Chair for Europe | E.ON; World Energy Council | Germany |

To view the full list of speakers please visit www.wec24.org

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