

SINGAPORE INTERNATIONAL ENERGY WEEK

POST-SHOW REPORT

CREATING OUR LOW CARBON  
ENERGY FUTURE TOGETHER

ORGANISED BY



*Smart Energy, Sustainable Future*

# SIEW 2020: A MILESTONE EVENT

## DIFFERENT FORMAT, BUT SAME SPIRIT

Since 2008, the Singapore International Energy Week (SIEW) has brought together more than 180,000 energy players from over 80 countries to discuss energy issues shaping the industry. For 2020, SIEW was held both physically and virtually for the first time given the restrictions due to the global pandemic. While the format was different, the same spirit was unchanged – to provide a platform for collaboration and to generate ideas and solutions that will inspire the world.

SIEW 2020 was Singapore's first pilot event with up to 250 participants since the global pandemic representing a major step in the safe and gradual resumption of economic activities. SIEW's hybrid format combined a "live" event with online streaming elements allowing a global audience to engage in a week of discussions revolving the theme "Creating our Low Carbon Energy Future Together".

Watch the post SIEW Highlights Video [here](#).



## SIEW 2020 BY THE NUMBERS



250

Onsite participants



> 20,000

Online viewers

> 1,800

Virtual exhibition visitors



> 80

Countries represented  
at SIEW



30

Ministerial Speakers

300

Global Speakers



4.5/5

Overall  
participants rating



4

Bilateral  
Agreements signed



> 1,000

Connections made on  
virtual event platform

## SIEW IN THE NEWS

AS OF 01 NOV 2020



> 11,000

Views on SIEW website's  
live blog

14.5 MILLION

Social media impressions

#SIEW2020

Trended #1 hashtag on  
Twitter in Singapore, on the  
first day of SIEW

1,092

Media mentions of SIEW  
worldwide during the week

164

Representatives from 48  
media platforms registered

72

Interviews with SIEW VIPs  
and speakers, including CNA,  
Bloomberg and Asahi Shimbun

# SIEW HIGHLIGHTS

## DEEPENING INTERNATIONAL PARTNERSHIPS

### 4 bilateral agreements were signed with key partners and regulatory counterparts

- Australia-Singapore Memorandum of Understanding on Low-Emissions Solutions
- Memorandum of Understanding with Energy Commission, Malaysia, to strengthen bilateral cooperation in the energy sector
- Memorandum of Understanding with Electrical and Mechanical Services Department, Hong Kong, China, to enhance cooperation towards greater energy security and resilience
- Joint Statement of Intent to Cooperate with the Gas and Electricity Markets Authority (GEMA), United Kingdom





# INTERNATIONAL PERSPECTIVES, DYNAMIC DISCUSSIONS

## SIEW OPENING REMARKS

Minister for Trade and Industry, Chan Chun Sing, highlighted his vision for Singapore to be a Bright Green Spark that inspires urban societies to create a more sustainable, higher quality living environment. Achieving this would require a three-pronged approach: to (1) Live Green, (2) Power Green, and (3) Design Green Market Structures.



## SIEW OPENING KEYNOTE ADDRESS

- a. The Hon. Angus Taylor MP, Minister for Energy and Emissions Reduction, Australia, shared about Australia's plans to reduce carbon emissions. He highlighted the importance of cost competitive technologies to encourage adoption and to achieve a low carbon society.

Minister Taylor also called for stronger Australia-Singapore bilateral cooperation on hydrogen and other clean energy technologies.

- b. Dr Jochen Eickholt, Member of the Executive Board, Siemens Energy AG, shared his views on how hydrogen could be a game changer in the transition to a more sustainable energy future.



## IN CONVERSATION WITH HIS ROYAL HIGHNESS PRINCE ABDULAZIZ BIN SALMAN AL SAUD, MINISTER OF ENERGY, KINGDOM OF SAUDI ARABIA



At the Singapore Energy Summit, His Royal Highness Prince Abdulaziz bin Salman Al Saud highlighted the importance of exploring all possible options to mitigate emissions and emphasised the global need to harness, facilitate and promote sustainable technology to combat climate change. One major initiative is the Circular Carbon Economy Platform led by the Kingdom of Saudi Arabia which calls for a holistic, integrated, inclusive and pragmatic approach to managing emissions.



# SINGAPORE ENERGY SUMMIT

The Singapore Energy Summit is a high-level platform for distinguished energy thought leaders to provide valuable insights to key energy issues. With many attendees dialling in, the format was kept lively and interesting through interviews, keynote addresses and dynamic panel discussions.

## Session 1:

## Transition – Transitioning to our Low Carbon Energy Future

PRESENTED BY



- a. Dr Tan See Leng, Second Minister for Trade and Industry & Manpower, Singapore, shared that transitioning towards low carbon energy provides the industry multiple opportunities to accelerate sustainability efforts and improve energy resilience. He highlighted the importance of cooperation across various pillars, such as government, industries and academia working closely to develop innovative policies and sustainable actions.
- b. H.E. YB Dato Seri Setia Dr Awang Haji Mat Suny bin Haiji Md Hussein, Minister of Energy, Brunei Darussalam, emphasised that governments must take a leading role in directing energy investments towards long-term sustainability.
- c. Frédéric H. Barnaud, Group Chief Executive Officer, Pavilion Energy, urged industry players to collaborate towards the common goal of sustainability, and to accelerate the transition towards net-zero carbon energy use.
- d. Panellists exchanged views on how the low carbon energy transition could take shape in the Asia Pacific.



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## Special Session:

# Regional Interconnectivity in The Low Carbon Energy Transition

PRESENTED BY



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- a. H.E. Dr Ith Praing, Secretary of State, Ministry of Mines and Energy, Kingdom of Cambodia, shared the importance of international partnerships and regional interconnections.
- b. H.E. Ms. Armida Salsiah Alisjahbana, Under-Secretary-General of the United Nations and Executive Secretary of ESCAP, United Nations Economic and Social Commission for Asia and the Pacific, highlighted the importance of enhancing the share of renewables and increased regional interconnectivity.
- c. Panellists discussed how a strong and resilient connectivity strengthens the security of energy systems.



## Session 2:

# Economy – Building a Low Carbon Energy Economy

PRESENTED BY



- a. The Rt Hon Kwasi Kwarteng MP, Minister of State, Department of Business, Energy and Industrial Strategy, United Kingdom, delivered a keynote on investments in renewable technologies and urged global players to sustain their efforts in meeting climate change targets despite the current economic outlook.
- b. H.E. Francis Fannon, Assistant Secretary, Bureau of Energy Resources (ENR), Department of State, United States, noted that the global economy will recover from the effects of the pandemic and Asia will be one of the main drivers.
- c. H.E. Patricia Espinosa, Executive Secretary, United Nations Framework Convention on Climate Change, highlighted the importance of decisively addressing climate change challenges by building cities that are clean, green and sustainable.
- d. H.E. Francesco La Camera, Director-General, International Renewable Energy Agency highlighted during an in-depth interview that energy transformation will remain a key priority, and investments in low carbon technologies will lead a green recovery to a more resilient energy future.
- e. H.E. Dato Lim Jock Hoj, Secretary-General of Association of Southeast Asian Nations (ASEAN) focused on ASEAN's road towards building a low carbon economy.
- f. Kazuhisa Yano, Executive Chairman, Chief Asia Representative, Osaka Gas, shared that moving towards a decarbonised society will entail a transitional phase using natural gas before alternatives such as hydrogen or renewables become widely available.



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## Special Session: Energy Resilience and Low Carbon

PRESENTED BY



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- a. Béatrice Buffon, Group Senior Vice-President, EDF International Division, focused her keynote on how electrification will be the future of energy to ensure proper decarbonisation of the economy.
- b. Adam Sieminski, President, King Abdullah Petroleum Studies and Research Center, highlighted the importance of good regulatory and finance framework to develop technologies needed to address climate change.
- c. Panellists further discussed the importance of a rigorous regulatory framework to encourage renewable developments and exchanged views on how countries determine their energy mix while transitioning from a fuel source to another.

### Session 3: Innovation – Low Carbon Innovations



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- a. The Hon. Bill Johnston MLA, Minister for Mines and Petroleum, Energy and Industrial Relations, Government of Western Australia, delivered a keynote on the Energy Transformation Strategy that will lay the groundwork for secure, reliable, sustainable and affordable electricity for Western Australia.
- b. Neil Chatterjee, former Chairman and Commissioner, Federal Energy Regulatory Commission spoke on the role of regulators and technology in accelerating the clean energy transition towards decarbonisation.
- c. Panellists exchanged perspectives on factors driving energy transition.



## 2<sup>ND</sup> GLOBAL MINISTERIAL CONFERENCE ON SYSTEM INTEGRATION OF RENEWABLES

The 2nd Global Ministerial Conference on System Integration of Renewables (SIR) was co-hosted by Singapore and the International Energy Agency (IEA). The Global Ministerial Conference focused on the theme of “Investment, Integration and Resilience: A Secure, Clean Energy Future” and attracted close to 30 Ministers, global CEOs and energy thought leaders.

The IEA launched its “Power Systems in Transition” report at the Global Ministerial Conference on SIR. The report surveyed the transformation of the electricity sector and examined three critical aspects of electricity security: increasing variable renewables in the system, cyber risks and climate impact.



### Session 1:

## Accelerating Investment in Renewable Electricity Technology and Infrastructure

The first session discussed the various measures undertaken by governments and the private sector to enhance the investment of renewables and grid infrastructure.



### Session 2:

## Developing Resilient and Flexible Power Systems

The speakers in the second session shared their perspectives on creating a more resilient and flexible power system, and guarding against future disruptions.

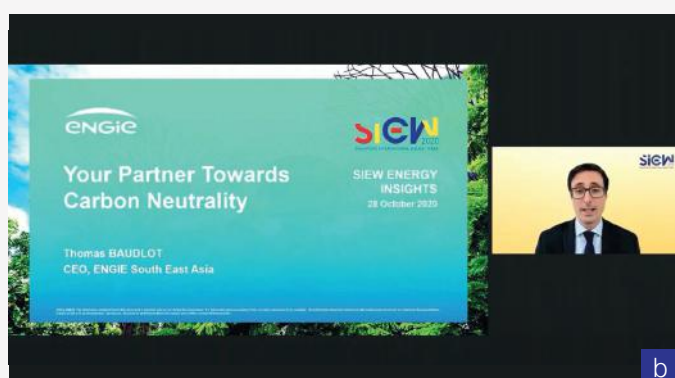
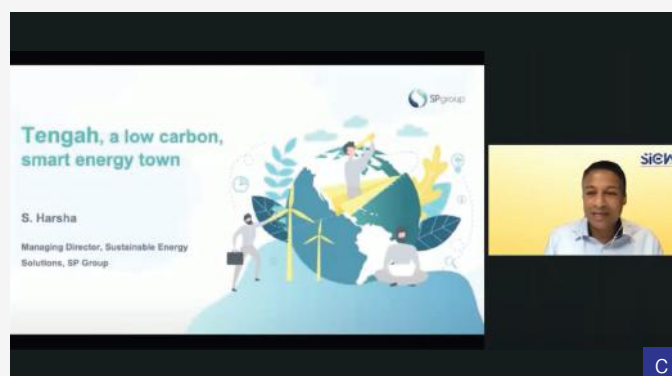
# SIEW ENERGY INSIGHTS

SIEW ENERGY INSIGHTS PARTNER



SIEW Energy Insights continues to be a key platform for industry partners to launch and share updates on their initiatives and reports.

- In a session co-led by **A\*STAR** and the **Singapore Battery Consortium**, speakers highlighted the latest developments in battery technologies and energy storage systems that complement renewables to ensure grid stability.
- ENGIE** delivered a presentation on how low carbon solutions can help reduce energy consumption and accelerate the transition towards a carbon-neutral world.
- SP Group** showcased the digital technologies and innovative energy solutions that are powering sustainable smart cities.
- SIEW Energy Insights also hosted a panel discussion on Strengthening Energy Resilience through Innovation and Cooperation featuring energy regulators from Hong Kong China, Malaysia and Singapore.



# SIEW THINKTANK ROUNDTABLES

PRESENTED BY



SIEW Thinktank Roundtables brought together industry experts to discuss emerging trends and dynamic shifts in the energy landscape. Trending topics discussed include the renewables outlook for Southeast Asia and sustainable development in the buildings and cooling sectors.



Energy Research Institute @ NTU





## YOUTH@SIEW

### Seizing Opportunities in a New Energy Landscape

Ms Low Yen Ling, Minister of State, Ministry of Trade and Industry & Ministry of Culture, Community and Youth, shared how the energy industry would need to adapt to new ways of learning and different business models and called for youths to play an active role in Singapore's energy transformation.

Youth@SIEW featured a virtual Youth Energy Showcase, where students presented innovative energy projects to drive sustainability in the energy sector. Ms Low also presented the awards to the recipients of the Energy-Industry Scholarship, to develop and nurture talent for the Power sector.



# SIEW PARTNER EVENTS, INDUSTRY INSIGHTS

SIEW continues to be a key platform for partners to launch their initiatives and engage the industry in Clean Energy, Downstream and Gas/LNG.

## a. Asia Clean Energy Summit



Asia Clean Energy Summit (ACES) is Asia's leading event focusing on clean energy technology, policy and finance. The Opening Address was delivered by Singapore Minister for Sustainability and Environment, Grace Fu.



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## b. Asian Downstream Summit & Asian Refinery Technology Conference Virtual



Asian Downstream Summit (ADS) is Asia's most influential oil & gas downstream technology focused event, with a special focus on digital transformation, technological innovations and industry 4.0 in refining, petrochemicals, and chemicals.



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## c. LNG and Hydrogen Gas Markets Asia

**S&P Global**  
Platts

Opening Addresses by Second Minister for Trade and Industry & Manpower, Singapore, Dr Tan See Leng at LNG & Hydrogen Gas Markets Asia.



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# SAFE & ENGAGING HYBRID SIEW EXPERIENCE

***“Today is a special day, not just for SIEW, but it marks the resumption of MICE events in Singapore. We are back in business.”***

Chan Chun Sing,  
Minister for Trade and Industry, Singapore

SIEW was the first pilot MICE event for up to 250 persons representing a milestone in the safe resumption of economic activities in Singapore.

- a. Piloted pre-event Antigen Rapid Test enabling delegates to network in larger groups of 50 participants.
- b. Contactless registration and entry to SIEW via SafeEntry and TraceTogether.
- c. Safe distancing and adherence to safety management measures.
- d. Simultaneous “live” and “virtual” event production with dedicated SIEW Virtual Platform that enabled online networking, live streaming and on-demand viewing for all sessions.



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# SIEW ENERGY SHOWCASE

## Virtual Power Plant by Sembcorp Industries and Energy Research Institute @ NTU

The Energy Market Authority and Sembcorp Industries have jointly awarded a grant to Nanyang Technological University to develop Singapore's first Virtual Power Plant (VPP). Using real-time information from various DERs, the VPP will optimise the power output of resources across the island in Singapore.



## Shell StartUp Engine

The Shell StartUp Engine is a global innovation programme for energy start-ups looking to develop their capabilities and power business growth within the smart, clean energy landscape.

## Singapore Battery Consortium

An initiative supported by National Research Foundation Singapore, The Singapore Battery Consortium fosters strategic R&D Partnerships between public research performers and industry players and to make Singapore an authoritative voice in battery related technologies.



## SIEW Live Interview

Industry leaders shared their perspectives on emerging trends and key developments shaping our low carbon energy future.

Chan Chun Sing, Minister for Trade and Industry, Singapore giving an interview at the SIEW Live interview room.

# SPECIAL THANKS TO THIS YEAR'S SIEW SPONSORS!



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Sponsorship is an ideal opportunity to profile your brand to the global energy community at SIEW. Various levels of sponsorship are available, and opportunities are allocated on a first-come, first serve basis.

For details, please contact:  
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# SAVE THE DATE



## 25 - 29 OCT 2021

MARINA BAY SANDS



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