

SIEW 2021

SINGAPORE INTERNATIONAL ENERGY WEEK

POST-SHOW REPORT



ORGANISED BY

SIEW 2021 - ENERGY THOUGHT-LEADERS



H.E. Arifin Tasrif
Minister of Energy and Mineral Resources,
Republic of Indonesia



H.E. Dr João Galamba
Deputy Minister and
Secretary of State for Energy,
Portuguese Republic



Mary Burce Warlick
Deputy Executive Director,
International Energy Agency (IEA)



Gauri Singh
Deputy Director-General,
International Renewable Energy Agency
(IRENA)



Lei Zhang
Chief Executive Officer,
Envision Group



Joe Blommaert
President, Low Carbon Solutions,
ExxonMobil



Kazuhisa Yano
Executive Chairman, Chief Asia
Representative,
Osaka Gas



Alan Heng
Chief Executive Officer,
Pavilion Energy



Wong Kim Yin
Group President and Chief Executive Officer,
Sembcorp Industries



Aw Kah Peng
Chairman,
Shell Companies in Singapore



Jimmy Khoo
Chief Executive Officer,
SP PowerGrid Limited



Martin Houston
Vice Chairman,
Tellurian Inc

SIEW 2021

The Singapore International Energy Week (SIEW) is an annual platform for energy professionals, policymakers, and commentators to discuss and share best practices and solutions within the global energy space. First held in 2008, SIEW has brought together more than 200,000 energy players from over 80 countries to discuss energy issues shaping the industry.

Held on 25 – 29 October in a hybrid format, the 14th edition of SIEW continues to bring the world's leading conferences and exhibitions together in one week, one location. Truly a gathering of the “Who’s Who” in the energy community, SIEW brought together players from across the energy spectrum for a week of discussions revolving around the theme **“Advancing the Energy Transition”**.

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



SIEW 2021 BY THE NUMBERS



> 4,000
Onsite participants



> 20,000
Online viewers



4.87/5
Overall
participants rating



> 30
Ministerial
Speakers



> 480
Global Speakers
Throughout the week –
up from > 300 in 2020

SIEW IN THE NEWS



> 16.6
MILLION

social media
impressions up from
> 14.5 million last year



> 11,000
VIEWS

of Live Blog on
SIEW website



> 1,200
MEDIA
MENTIONS

of SIEW worldwide
during the week, with
177 media attendees



146
INTERVIEWS

with SIEW VIPs and
speakers, including
CNA, CNBC and BT

INTERNATIONAL PERSPECTIVES. DYNAMIC DISCUSSIONS

SINGAPORE ENERGY LECTURE



Minister for Trade and Industry Mr Gan Kim Yong outlined his vision of how Singapore can capitalise on new opportunities to advance the energy transition and address the long-term challenges of climate change.

SIEW OPENING KEYNOTE



H.E. Arifin Tasrif, Minister of Energy and Mineral Resources, Republic of Indonesia, expressed Indonesia's commitment to meet the ASEAN Plan of Action and Energy Cooperation (APAEC) 2025 targets to enhance energy security and sustainability through working in conjunction with the ASEAN community.



Joe Blommaert, President, Low Carbon Solutions for ExxonMobil, shared his views on ramping up efforts to reduce carbon emissions.

SINGAPORE ENERGY SUMMIT

The Singapore Energy Summit (SES) facilitates high-level dialogue on energy issues centred on this year's theme, "Advancing the Energy Transition". It set the stage by bringing together energy leaders and industry captains to discuss pertinent themes from across the energy sector.

Session 1: Reset – Advancing the Low Carbon Energy Transition

Presented by



- A** Dr Tan See Leng, Singapore's Minister for Manpower and Second Minister for Trade and Industry, shared his views on Singapore's strategic approach to help accelerate low carbon energy developments in Asia.
- B** Alan Heng, Chief Executive Officer of Pavilion Energy, expects increased variability and volatility as energy systems become more interconnected—both physically and through markets.
- C** Lei Zhang, Chief Executive Officer, Envision Group, shared that he sees opportunities and first-mover advantage in building the renewable energy ecosystem and developing best practices.
- D** Industry luminaries debated the role of new technologies and innovative policy frameworks in driving the decarbonisation of global energy systems.

Special Session 1: Decarbonisation and Low Carbon Solutions

Presented by

ExxonMobil

The Hon. Dr Megan Woods, Minister of Energy and Resources, New Zealand, emphasised the need to consider the well-being of individuals as we progress towards the energy transition.



H.E. Andrew Light, Assistant Secretary for International Affairs, U.S. Department of Energy, shared his view that clean energy developments present the "largest economic opportunity we've seen in generations".



Panellists debated ways to transform climate pledges into actions. H.E. Dr João Galamba, Deputy Minister and Secretary of State for Energy, Portuguese Republic, shared that Portugal expects its renewable energy to meet 47% of gross final energy demand and 80% of electricity generation by 2025, instead of 2030 as originally targeted.



Session 2: Restructure: Pursuing Green Growth

Presented by



YB Dato Seri Setia Dr Awang Haji Mat Suny bin Haji Md Hussein, Minister of Energy, Brunei Darussalam, highlighted the need for Asian countries to seize opportunities that would steer the region towards a more sustainable energy future.



H.E. Alfonso G. Cusi, Secretary of Energy, Republic of the Philippines, shared his belief in “3Gs” to guide the energy transition: (1) Gauge – To ensure that policies in place are effective in driving green growth; (2) Growth – To ramp up capacity to meet increasing energy demand; (3) Gather – To enhance bilateral and multilateral collaboration.



Manuela V. Ferro, Regional Vice President, East Asia and Pacific (EAP), The World Bank Group, East Asia and Pacific, shared huge investments in clean energy and grid infrastructure will be required to support industrial activities and households.

Special Interview



In a Special Interview, Francesco La Camera, Director-General, International Renewable Energy Agency (IRENA), shared how lowering the cost of renewables will be vital to accelerating the energy transition in Southeast Asia.



The panel gathered industry thought leaders to discuss green growth opportunities and job creation in a sustainable energy future.

Special Session 2: Building Regional Interconnectivity

Presented by

Keppel Infrastructure

This special session focused on the latest developments driving regional grid interconnectivity.

H.E. Dr Sinava Souphanouvong, Deputy Minister for Energy and Mines, Lao People's Democratic Republic, spoke about the increasing need for international collaboration to achieve the energy transition, such as through regional grids and research and development.



H.E. Armida Salsiah Alisjahbana, Under-Secretary General, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP), cited the Lao PDR-Thailand-Malaysia-Singapore Power Integration Project (LTMS-PIP) as a positive step towards multilateral power trading.



The panellists discussed the importance of collaboration between governments and industry stakeholders in building interconnected and functional energy systems.



Session 3: Reinvent: Innovation and Future of Energy

Presented by



- A** H.E. Damilola Ogunbiyi, Chief Executive Officer and Special Representative of the UN Secretary-General, Co-Chair of UN-Energy, Sustainable Energy for All, shared the need to accelerate the adoption of low carbon initiatives to achieve the global net-zero carbon emissions goal by 2050.
- B** The Hon. Angus Taylor MP, Minister for Industry, Energy and Emissions Reduction, Australia, shared how a technology-driven approach remains key to enabling the energy transition while ensuring economic growth in Australia.
- C** Zhang Zhigang, President and Member of the Board, State Grid Corporation of China, discussed how digital adoption has helped propel more sustainable ways of producing, transporting and consuming energy in China.
- D** Panellists exchanged perspectives and concurred on the critical role of regulatory frameworks and new enabling policies to foster the deployment of innovative and sustainable technologies.

Special Session 3: Circular Green Economy and a Greener Energy Future

Experts discussed how the public and private sectors can collectively drive the circular economy forward.



H.E. Shane Rattenbury, Attorney-General; Minister for Consumer Affairs; Minister for Water, Energy and Emissions Reduction; Minister for Gaming, Australian Capital Territory, noted the need for commitment to science and honest engagement with the community to achieve zero emissions and circular economy goals.



H.E. Patricia Espinosa, Executive Secretary of the United Nations Framework Convention on Climate Change (UNFCCC), highlighted that nations and businesses must commit to a deep and lasting transformation of how energy is produced, used, and distributed, to collectively achieve the goals of the Paris Agreement.



SINGAPORE-IRENA HIGH-LEVEL FORUM

Themed “Investing in an Inclusive and Just Clean Energy Transition”, the inaugural Singapore-IRENA High-Level Forum brought together Ministers, CEOs and thought leaders from across the globe. They discussed and exchanged views on the pathways needed to support and scale up clean energy investments in a just and inclusive manner, in support of the clean energy transition.



Dr Tan See Leng delivered the Forum's opening remarks, where he noted the need for greater public and private collaboration to not only scale up bankable clean energy projects, but to also support and create meaningful employment opportunities for individuals, especially in the clean energy sector.



In his opening remarks, Francesco La Camera, Director-General of the International Renewable Energy Agency (IRENA), spoke on the importance of renewable energy in achieving a more sustainable energy future.

Session 1: Mobilising Investment to Support Energy Transition

The first session discussed the frameworks to enable clean energy investments. Keynote speaker, H.E. Arifin Tasrif, Minister of Energy and Mineral Resources, Republic of Indonesia, noted the importance of a well-designed framework. Panelist highlighted the need to unlock greater private sector participation to scale green energy investments.



Session 2: Shaping an Inclusive and Just Energy Transition

The speakers in session 2 spoke about how the energy transition must also improve the quality of livelihoods, especially those in vulnerable nations. They also shared various strategies to sustain and enhance the resiliency of the energy transition.



Session 3: The Role of Technology in Driving the Energy Transition

In this session, discussions focused on the importance of technology in accelerating the clean energy transition. The speakers noted the advancement in technologies such as battery storage and carbon capture and discussed the role of innovation and policies to further support the development and deployment of such technologies.



SINGAPORE-IEA FORUM

The Singapore-International Energy Agency (IEA) Forum featured the Southeast Asia launch of the IEA World Energy Outlook (WEO) 2021 and explored how the global energy system could develop in the coming decades.



Ngiam Shih Chun, Chief Executive of Energy Market Authority of Singapore, highlighted the importance of meeting regional energy demand growth in a sustainable manner and highlighted the critical role of regional collaborations in achieving this.



YB Dato Seri Setia Dr Awang Haji Mat Suny bin Haji Md Hussein, Minister of Energy, Brunei Darussalam, shared Brunei Darussalam's green initiatives and energy transition plans.



H.E. Takiyuddin bin Hassan, Minister of Energy and Natural Resources, Malaysia, advocated for a pragmatic, yet forward-looking, approach in transitioning energy systems towards a low-carbon future, and shared Malaysia's ambitious renewable energy plans.

Southeast Asia Launch of the IEA's World Energy Outlook



Mary Burce Warlick, Deputy Executive Director, International Energy Agency (IEA), shared the latest insights from the 2021 World Energy Outlook.



The panellists deliberated on the opportunities and challenges faced in advancing the clean energy transitions in Southeast Asia and discussed the necessary frameworks and instruments, such as financing, that need to be in place to achieve a low carbon energy future.

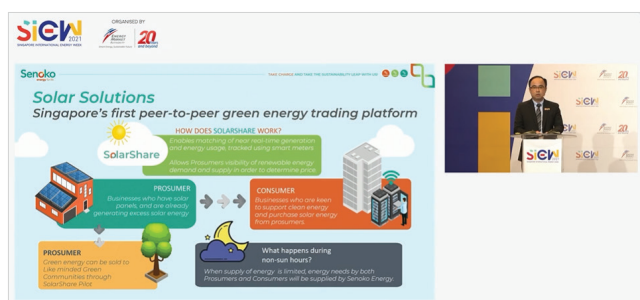
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ENERGY INSIGHTS

SIEW Energy Insights featured the latest perspectives on key energy issues. This year's event provided a showcase of innovative Singapore energy solutions to advance the energy transition.



Six local start-ups from this year's Shell StartUp Engine Singapore cohort – RushOwl, BeeX, Synectify, SunGreenH2, Green COP and reActo – showcased their latest innovations and how they are supporting sustainable development for Singapore and the world.



Senoko Energy shared insights on how peer-to-peer energy trading can support Singapore's renewables ambition.



The Agency for Science, Technology and Research (A*STAR) and the Singapore Battery Consortium discussed the potential for energy connectivity in Singapore's energy transition.



A*STAR and SP PowerGrid shared insights on digital twin technology that could enhance Singapore's grid operations and resiliency, asset management and network planning.



The Asia Pacific Energy Regulatory (APER) Forum is a biennial platform where energy regulators from 13 Asia Pacific countries come together to discuss key energy regulatory issues and to share knowledge on best practices. Senior representatives from the IEA and IRENA, and industry partners were also invited to present on broad trends and insights on decarbonisation strategies and grid resilience.



Session 1: Advancing Energy Transitions and Decarbonising Our Energy Systems

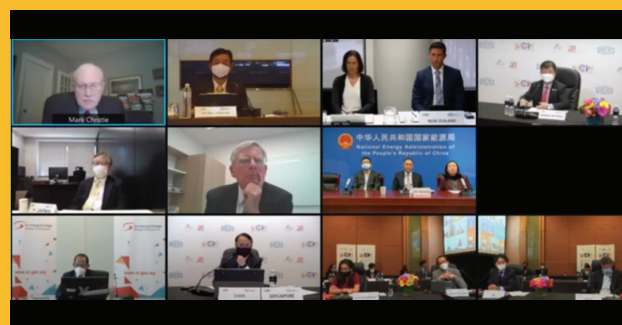
Members presented updates on their decarbonisation goals and approaches to lowering energy intensity.

Session 2: Enhancing System Integration of Renewables and Low-Carbon Technologies

Members shared the various challenges in enhancing the deployment of renewables, including the intermittency and stability of supply and managing distributed energy resources.

Session 3: Strengthening Grid Stability and Resilience

Members discussed the importance of modernising our grid to keep pace with the broader transformation in our energy systems. The future grid will need to be more flexible, adaptable, resilient, efficient, and increasingly digitalised.



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THINKTANK ROUNDTABLES

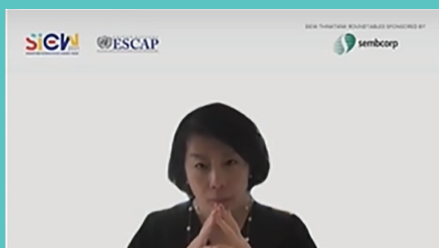
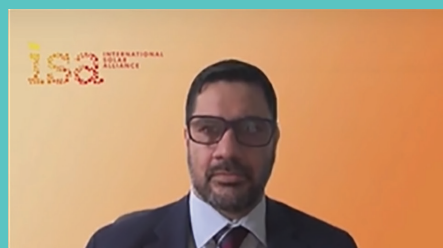
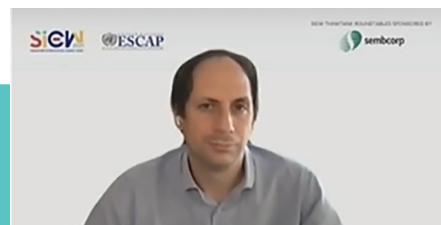
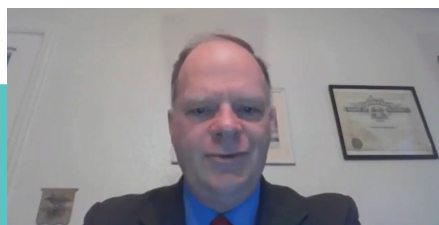
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SIEW Thinktank Roundtables provide a useful platform for meeting like-minded industry peers to exchange views and ideas on key topics in the energy sector. SIEW Thinktank Roundtables continued to attract major energy International Organisations (IOs) as hosts. New hosts include the Asia-Europe Foundation, ISEAS – Yusof Ishak Institute, and the U.S. Department of Commerce, forming a record of 12 SIEW Thinktank Roundtables.



Energy Research Institute @ NTU



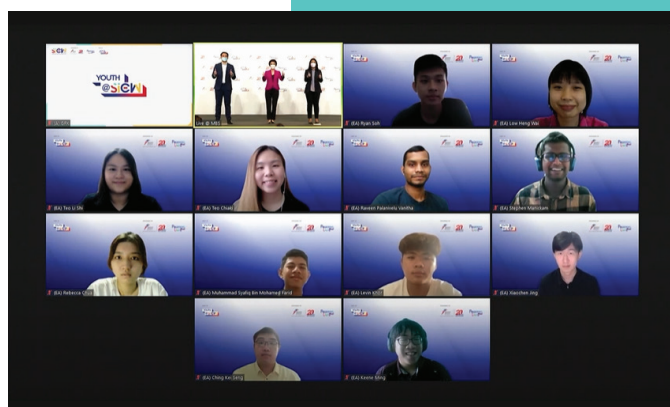


Seizing Opportunities in Singapore's Energy Transition

Youth@SIEW is an outreach platform designed to engage tertiary students and educators on the latest energy trends and career opportunities in the energy sector. Youth@SIEW continues to receive strong support and attendance, with over 730 unique virtual participants and 40 on-site participants from students, educators, and industry partners.



Low Yen Ling, Minister of State, Ministry of Trade and Industry, and Ministry of Culture, Community and Youth, Singapore, kicked off Youth@SIEW with a call for youths to push boundaries in transforming Singapore's energy future, while tertiary students and industry leaders engaged in meaningful discussions around energy innovation and co-creation.



SIEW PARTNER EVENTS

Asia Clean Energy Summit



Asia Clean Energy Summit (ACES) is Asia's leading summit and exhibition focusing on clean energy technology, policy and finance supported by leading government agencies, research institutes and industry in Singapore. The Opening Address was delivered by Dr Tan See Leng.



Asian Downstream Summit & Asian Refinery Technology Conference



Asian Downstream Summit 2021 was held in conjunction with the Asian Refinery Technology Conference to serve as the key meeting point for industry thought leaders to look towards the future, and capture opportunities to deliver profitable market growth and value creation across the downstream oil and gas supply chain.

Asia LNG and Hydrogen Gas Markets

S&P Global Platts

S&P Global Platts 7th Asia LNG & Hydrogen Gas Markets Conference brought together policymakers, industry CEOs, and international thought leaders in the region. The Opening Remarks was delivered by Low Yen Ling, Minister of State, Ministry of Trade and Industry & Ministry of Culture, Community and Youth, Singapore.



The Future of the Grid



SIEW 2021 featured a new industry-driven conference on the Future of the Grid, with a special focus on Grid Optimisation and Electrification. Keynote speakers discussed the challenges, policies and strategies needed to transform our future grid.



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Sponsorship Opportunities

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 **Hayden Lee** at Hayden_Lee@ema.gov.sg

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