

## Asia Clean Energy Summit 2014 Highlights

The inaugural Asia Clean Energy Summit (ACES) provided the platform for leaders from both public & private sectors, academics, as well as financiers to discuss, debate & collaborate to harness clean energy for future and accelerate its adoption.



ACES was held on the 28th and 29th of October 2014 and saw more than 800 participants and speakers from 19 countries attend. Held as part of the Singapore International Energy Week, ACES is organised by SEAS, and co-organised by the Energy Research Institute @ NTU (ERI@N) and the Solar Energy Research Institute of Singapore (SERIS).

**“From ultra-fast-charging batteries in Singapore to solar farms in Thailand, demand for and use of renewable energy is set to rise in fast-growing Asia. Industry leaders speaking at the Asia Clean Energy Summit note that with such growth, business opportunities are emerging across all aspects of the renewable sector from procurement and construction services to sensors for data analytics.” -**  
[Singapore Business News](#)

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### *Launch of the Renewable Energy Integrated Demonstrator – Singapore (REIDS)*

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ACES was launched by the guest of honour, Minister S Iswaran, Minister, Prime Minister’s Office, Second Minister for Home Affairs and Second Minister for Trade and Industry.



The minister also announced the launch of the Renewable Energy Integrated Demonstrator – Singapore (REIDS), which is the world’s first large-scale integrated microgrid test-bed for the tropics and plans to commence with the building of onshore (solar photovoltaic systems, wind turbines) and offshore (marine and tidal) clean energy production facilities at Semakau Landfill. SEAS is proud to be one of the partners of this initiative and SEAS Chairman Mr. Edwin Khew, took part in the signing ceremony.



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*Clean Energy Leaders’  
Dialogue Highlights*

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- Growth of solar must be in tandem with other clean energy sources and energy management, smart grids, and electric vehicles.

**“I have attended a few conferences in my career, and this was certainly a top notch, high quality content, nice venue, well organized.”** - Alon Shaham, CEO  
Belectric Southeast Asia Pte Ltd



- The importance of the government taking the lead in implementing renewable energy solutions, in order to give the market confidence and spur growth.




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*Solarising Singapore &  
Solar Pioneer Awards*

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- Solar PV in Singapore has reached grid parity and that solar leasing is one option to help deal with high upfront costs as there are no upfront costs in solar leasing schemes.



- The Solar Energy Research Institute of Singapore (SERIS) launched the National Solar Repository (NSR) initiative. This database contains information about solar irradiance, solar PV plant location and performance, news, a dashboard for real-time weather measurements and images coming from sky cameras placed all around the island.
- The winners of the Solar Pioneer awards showed innovative adoption of solar: Cambridge Industrial Trust, Katoen Natie, Tech-Link Storage Engineering, UTC, & Mr George Lim.



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*PV Asia Financial Summit*

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- The panel called for more partnership, more distributed generation and microgrids, as well as stable legislation and assurance. The market needs assurance from the government in form of stable legislation in order for it to develop.



- Stable policy frameworks and innovative business models were needed in order for clean energy adoption to move forward.

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*Sustainable Laboratories Conference*

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- Wendell Brase, Vice-Chancellor of Administration at the University of California, Irvine, and Matt Gudorf, Campus Energy Manager, conducted a workshop on how UC Irvine managed to cut laboratory energy consumption by 50%.
- They shared a whole range of technologies and practices that they used on campus to help them achieve this, such as lighting solutions.



- Local experts like Dr. Derrick Tan of 1st Phase Operations also shared what makes a laboratory sustainable.

**“An unprecedented gathering of the lab facility stakeholders in Singapore.”**

Derrick Tan, Ph.D., Managing Consultant  
1st Phase Operations

**“It is important to pursue a gradual increase in the adoption of renewable energy in favour of coal-powered energy. There is so much that renewable energy can do to help preserve environmental resources, increase energy efficiency and boost productivity.”** – SEAS Chairman Edwin Khew for [Eco-Business.com](http://Eco-Business.com).

**“The Renewable Energy Integrated Generator – Singapore (REIDS)...will be able to produce power up to a peak of 1MW, sufficient to electrify around 250 four-room apartments built by the country’s Housing Development Board”** – [Eco-business.com](http://Eco-business.com).