

ASIA Sustainable Energy Week (ASEW)

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The 21st Renewable Energy Asia Conference 2025

"Leveraging Digital Solutions for a Sustainable, Low-Carbon Future"

Wednesday, 2 July 2025

Queen Sirikit National Convention Center (QSNCC), Bangkok

The 21st Renewable Energy Asia Conference 2025 (REA 2025) will be held on 2 July 2025 at Queen Sirikit National Convention Center (QSNCC), Bangkok, as part of Asia Sustainable Energy Week (ASEW).

This year's conference is organized under the theme "Leveraging Digital Solutions for a Sustainable, Low-Carbon Future", reflecting the urgent need to embrace innovation and technology to accelerate the clean energy transition. The theme highlights how digital tools—ranging from smart grids, AI-based energy management, to digital twins and blockchain—can be powerful enablers for decarbonizing energy systems and industries across Asia.

REA 2025 will bring together policymakers, researchers, energy experts, and industry leaders from across the region and beyond to discuss practical solutions and policy frameworks that support the integration of digital innovation into sustainable energy strategies.

The conference will feature a high-level plenary session and five focused technical sessions covering:

- **Hydrogen, Sustainable Aviation Fuels (SAF), CCUS, and Bio-CCU**
- **Clean Electricity Transition**
- **Industrial Decarbonization and Clean Heat**
- **Transport Sector Decarbonization**
- **Green Buildings and Sustainable Materials**

We would be honored to welcome you as a speaker to contribute your expertise and join the collective effort toward building a smarter, greener, and more connected energy future for the Asia region.

PROGRAM OVERVIEW

Plenary Session	Room MR 110	Leveraging Digital Solutions for a Sustainable, Low-Carbon Future
Session I	Room MR 109 AB	Hydrogen, Sustainable Aviation Fuels (SAF), CCUS and Bio-CCU
Session II	Room MR109 CD	Clean Electricity Transition
Session III	Room MR109 GH	Industrial Decarbonization and Clean Heat
Session IV	Room MR109 EF	Decarbonization in Transport
Session V	Room MR107 AB	Green Buildings: Sustainable Designs, Management, and Materials Innovation
09.00-09.30	Registration	
09.30-10.30	Opening ceremony	
10.30 – 12.00	Plenary Session: Leveraging Digital Solutions for a Sustainable, Low-Carbon Future	
10.30 - 10.55	SMR Deployment in Southeast Asia: Strategic Pathways to Policy, Regulatory, and Technology Readiness by Dr. Wison Luangdilok, H2Technology LLC, USA	
10.55 – 11.20	Digitalization and AI–A Look at the Current Use Cases and Future Outlook for the Energy Sector By Mr. Patipan Kalvibool, Solution Architect of Huawei Thailand Digital	
11.20 – 11.45	Progress in Thailand's Smart Grid Plan by Mr. Sarat Prakobchat, Deputy Director General, Energy Policy and Planning Office (EPPO), Ministry of Energy	
11.45 – 12.00	Finland's Vision for a Carbon-Free Future Her Excellency Kristiina Kuvaja-Xanthopoulos, Ambassador of Finland to Thailand, Embassy of Finland in Bangkok	
12.00– 13.30	Lunch	

13.30-15.30	Session I: Hydrogen, Sustainable Aviation Fuels (SAF), CCUS and Bio-CCU	Session II Clean Electricity Transition	Session III Industrial Decarbonization and Clean Heat	Session IV Decarbonization in Transport	Session V Green Buildings: Sustainable Designs, Management, and Materials Innovation
Chairpersons	Prof. Dr. Navadol Laositipojana, JGSEE	Dr. Bundit Fungtammasa and Dr. Athikom Bangviwat	Dr. Piyatida Trinuruk, KMUTT Dr. Boonrod Sajjakulnukit JGSEE	Dr. Savitri Garivait, JGSEE and Dr. Yossapong Laonua, KMUTT	Dr. Pipat Chaiwiwatworakul, JGSEE and Dr. Acharawan Chutarat, KMUTT
13.30-14.00	Advanced Nuclear Technologies as Key Pillars of Sustainable Energy Solutions by Dr. Wison Luangdilok, H2Technology LLC, USA	A Brighter Grid: Southeast Asia's Clean Electricity Transition by Mrutyunjaya Nanda , Lead, Technology and Markets Team, Asia Clean Energy Partners	Mr. Wisaruth Maethasith , Department of Alternative Energy Development and Efficiency (DEDE)	Decarbonizing transport sector: Experience from Korea by Prof. Ock Taeck Lim, University of ULSAN (TBC)	Dr. Atch Sreshthaputra , Chairman Thailand Green Building Institute (TGBI)
14.00-14.30	Thailand's SAF Future: Energy Policy Perspectives and Directions Dr. Visarn Lilavivat, National Energy Technology Center (ENTEC), Thailand	At a Crossroads to Net Zero: Policy Choices for Thailand's Clean Electricity Transition Path by Dr. Supawan Saelim , Project Lead Southeast Asia Energy Policy, Agora Think Tanks (Bangkok Office)	Industrial Decarbonization in Action: Regional Perspectives from Thailand and Beyond by Dr. Paweetida Sungwornpatansakul NRI Consulting & Solutions (Thailand) Co., Ltd.	Digital transformation and AI towards low carbon sustainable transport in Asia by Mr. Shivaji Das	BIM Digital Twin Towards Net Zero by Dr. Ponn Virulrak, Thailand BIM Association
14.30-15.00	Carbon Capture Utilization and Storage (CCUS): Decarbonization and Industrialization Opportunities in Low-Carbon Society Dr. Kajornsak Faungnawakij, National Nanotechnology Center, NSTDA Thailand	Energy Transition And Grid Modernization by Mr. Kittisak Ngoengnokngam , Senior Director, Energy Infrastructure Business Development, Delta Electronics (Thailand)	Heat Pump by Mr. Sakarin Siriboonnakan Managing Director, GR Tech (Thailand) Co., Ltd	Decarbonizing first-mile and last-mile feeder system for Bangkok: Flagship of MuvMi by Mr. Supapong Kitiwattanasak, MuvMi	Mr. Wachirachai Koonamwattana , The Siam Cement Plc (SCG)
15.00-15.30	Bio-CCU Biological Carbon Capture & Utilization: Strategy and Process Overview	The Impacts of EV-Grid Integration and Its Possible Technical Solutions	Heat Battery. By Dr. Kriengkrai Suksankraisorn Vice President - Green Technology and IP SCG Cleanergy Co., Ltd.	Digital transformation towards sustainable infrastructure for	Sustainable building materials by Saint-Gobain Thailand (TBC)

Dr. Verawat Champreda The National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand	Dr. Aree Wangsupphaphol, School of Energy, Materials and Environment, KMUTT		EV by Mr. Setthasit Chardgaroon, EGAT	
	15.30–16.00 EGAT (TBC)			15.30–15.45 Energy Efficiency Meets Innovation: Delta's Role in Shaping the Future of Green Buildings by Mr. Steven Lin, Delta Building Automation Thailand Leader, Delta Electronics (Thailand) PCL.
	16.00 – 16.15 Dr. Worawut Waruttamapornsu, Country Managing Director, Hitachi Energy (Thailand) Limited			15.45 – 16.00 Mr. Norarat Navaratgulchai, ABB Electrification (Thailand) Co., Ltd.
	16.15 – 16.30 GROWATT-ATESS			16.00 – 16.15 Mr. Jerry Lai, ANTAI TECHNOLOGY CO., LTD