

Regional Outlook on Data Centers in Southeast Asia

Implications for balancing demand growth with decarbonization

28 October 2026 | 5:30–8:30 pm | Ascott Raffles Place, Singapore

An evening reception and discussion organized by Enerdata and Asia Clean Energy Partners during Singapore International Energy Week

Regional Context:

Digitalization is reshaping economies and energy systems, with artificial intelligence, cloud computing and digital services driving data center construction. Southeast Asia accounted for about half of data center capacity under construction in Asia Pacific as of mid-2026, up from 31% at the end of 2025¹, although growth remains uneven across countries.

Across Southeast Asia, power demand from data centers is projected to rise from 2.6 GW in 2025 to 10.7 GW by 2035.² These facilities require reliable electricity, and their customers often seek clean energy. Their expansion is bringing grid capacity, clean electricity procurement and infrastructure investment into sharper focus.

Country developments illustrate this growth and the pressures it creates.

- **Thailand** reported more than THB 728 billion in data center project applications in 2025.³
- **Viet Nam** has seen more than USD 7 billion in announced or proposed AI and data center investments.⁴
- **Indonesia**'s installed data center IT capacity is projected to reach 3.5 GW by 2030.
- **The Philippines**' USD 34.4 billion data center roadmap targets 1.5 GW by 2033.⁵

What You Will Learn:

- Gain a clear view of the global energy outlook to 2050 and its implications for Asian energy markets.

¹ Source: [Cushman & Wakefield \(2026\)](#)

² Source: [Wood Mackenzie \(2025\)](#)

³ Source: [Thailand Board of Investment \(2026\)](#)

⁴ Source: [BMI, reported by TechNode Global \(July 2026\)](#)

⁵ Source: [Philippine News Agency, reported by The Manila Times \(9 September 2026\)](#)

- Understand how electrification, AI and data center growth could reshape electricity demand, power systems and investment needs.
- Hear perspectives from technology, energy, finance and research leaders on the opportunities and challenges ahead.
- Explore practical actions to support infrastructure growth while balancing energy security, affordability and decarbonization.
- Get to know other players and actors working on data center development, construction, financing, and operation in Singapore and the Southeast Asia region.

Agenda

Time (Singapore)	Session
5:30–6:00 pm	Registration and networking
6:00–6:15 pm	Technical presentation by Enerdata Regional outlook and latest data on the energy mix, electrification, implications for Asia, and AI and data center demand
6:15–7:15 pm	Interactive fishbowl discussion and Q&A How to balance decarbonization and demand growth: practical levers for power systems, companies, investors and policymakers Moderator: Peter du Pont , Co-CEO Asia Clean Energy Partners Panelists: • Vincent Wise, Senior Economist, Energy Market Company (EMC) • Bob Fox, Chair, Digital Economy / ICT and Policy Coordinator, Joint Foreign Chambers of Commerce Thailand (JFCCT) • Ernest Aw, Vice President, Infrastructure Finance, Hongkong and Shanghai Banking Corporation (HSBC) • Zulfikar Yurnaidi, Head, Energy Modeling and Policy Planning (MPP) Department, ASEAN Centre for Energy • Kavickumar Muruganathan, ESG Policy & Planning Director (Asia Pacific & Middle East Africa), Microsoft
7:15–8:30 pm	Networking buffet



Who Should Attend:

Electric utilities, data center operators, hyperscalers, technology companies, banks and investors, energy experts and analysts, policymakers and regulators, government agencies working on energy supply, infrastructure investment and digital growth.