

ETCon News

THE ENERGY TRANSITION CONFERENCE 2026



More Than 4,000 Delegates Attend ETCon26 in KL - Page 03



AI Boom Powers New Era For Data Centre And Energy System - Page 06



AI And Data Unlock Immense Opportunities - Page 08



Hyosung Fuels on AI and Energy Storage to Support Malaysia's Renewable Ambitions - Page 10



FADILLAH

ENERGY EFFICIENCY MUST BE MALAYSIA'S FIRST FUEL, SAYS FADILLAH YUSOF

“As Malaysia advances its energy transition, energy efficiency must remain our first fuel, every megawatt saved strengthens Malaysia's resilience. In this endeavour, Tenaga Nasional Berhad plays a pivotal role in ensuring reliable, sustainable power while supporting the growth of AI and data centres. Together, innovation, efficiency and collaboration will drive a secure and low-carbon energy future for the nation.”

The current global energy landscape is defined by extreme volatility and supply chain disruptions, making coordinated leadership between the public and private sectors more critical than ever, says Datuk Amar Haji Fadillah Haji Yusof, Deputy Prime Minister.

“For Malaysia, this synergy is the literal foundation of our long-term energy security as it ensures that policy mandates are met with technological innovation and private sector investment, creating a unified front against external energy shocks,” said Fadillah, who is also Minister of Energy Transition and Water Transformation (PETRA).

“This coordination is not merely policy alignment, but a necessary response to a system under strain. As disruptions spread across economies, our ability to respond depends on strong public-private collaboration,” he said in his message to the Energy Transition Conference 2026 (ETCon26).

“This urgency becomes more pronounced as we navigate a digital leap and how we manage our national grid. The surge in Artificial Intelligence (AI) and the proliferation of energy intensive data centres are central to economic growth, but they also introduce pressure points that cannot be ignored.”

Power demand is rising sharply, even as expectations for reliability remain unchanged, creating a narrow operating space where growth and stability must move in unison. We cannot allow the pursuit of a high-tech economy to force a return to fossil-fuel-heavy generation.

The transition must hold its course, even as demand accelerates. This is why our strategy is anchored on a clear principle: energy efficiency must be treated as our “first fuel.”

Every megawatt saved is capacity gained and every efficiency measure creates space within the system without adding cost.

The ASEAN Power Grid (APG) becomes more than a long-term ambition. It is a practical lever for resilience, allowing us to connect diverse energy resources across borders and optimise how energy is generated and consumed across the region.

The National Energy Transition Roadmap (NETR) becomes critical to Malaysia's national success as it is set to reshape the economy and is expected to contribute up to RM220 billion to GDP and generate 310,000 jobs by 2050.

More importantly, it is about positioning Malaysians in higher-value roles across the energy value chain, he said.





Have a story to share with us?

Email the editorial team at:
etcon.news2026@tnb.com.my

ETCon26 News is co-published by Bernama and Group Corporate Communications, Tenaga Nasional Berhad (TNB)

Editor-in-Chief

Anita Perumal

Executive Editor

Nik Nadirah Wan Mohd Fauzi

Editors

Nor Julina Musa, Grace Tan, M. Saraswathi, Mikhail Raj Abdullah, Suriati Sidek Ahmad, Norsyafawati Ab Wahab

Reporters

Mohd Haikal Abd Jalil, Norfadzilah Sha'ary, Mohd Syafiq Khairul Salleh, Abidatulmunirah Abidin, Siti Radziah Hamzah, Engku Shariful Azni Engku Ab Latif, Naveen Prabu Kuppusamy, Muhammad Fawwaz Thaqif Nor Afandi, Danni Haizal Danial Donald, Maizatul Jamny Muhammad Rosli, Abdul Rahman Fahmi Abdul Aziz, Durratul Ain Ahmad Fuad, Abdul Hamid A Rahman

Photographers

Adam Syafiq Abu Bakar, Anwar Faiz Ahmad Tajudin, Mohd Syamir Izzat Radzi, Mohd Mawardi Samad, Nurhalim Hanis Ahmad Zulkipli, Syarifah Nurzulaikha Syed Zainuzman, Mohd Nazirul Mohamed Roselan, Muhammad Shafiq Hashim

Creative Team

Evelyn Kuang Sze Hwa, Norfaizahtul Aziemah Dzulkepli, Mohd Adib Mohamed Fathil, Jauhairil Jamadin, Noor Mahirah Mat Dan, Nur Wahidah Abdul Rahim, Abu Bakar Mohamed, Mohd Farhan Mustafa Kamal

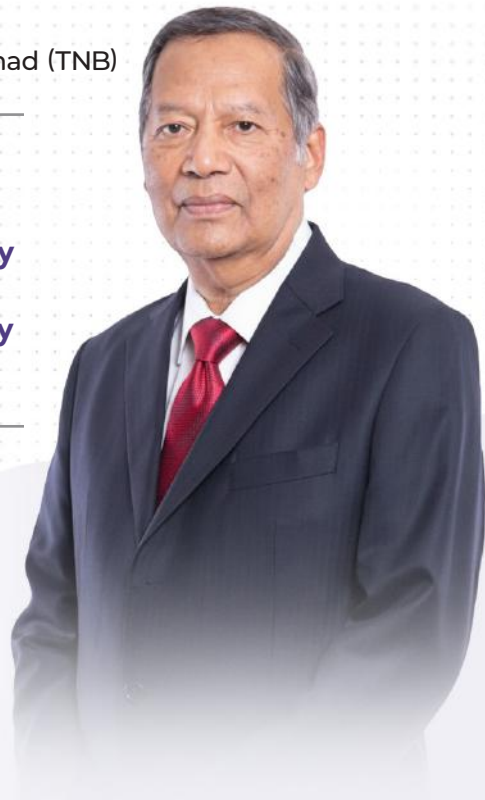
LEADERSHIP VOICES

TAN SRI ABDUL RAZAK ABDUL MAJID

Chairman, Tenaga Nasional Berhad (TNB)

“Energy transition is both a long-term national responsibility and a defining economic opportunity for Malaysia.”

TNB, institutions and industry leaders must ensure this transition remains inclusive, sustainable and equitable. ETCon26 anchors long-term regional dialogue and collaboration, which are the pillars addressing national and regional priorities.



DATUK IR. TS. SHAMSUL AHMAD

President/Chief Executive Officer, Tenaga Nasional Berhad (TNB)

“Energy transition is no longer a future agenda but an immediate economic and strategic priority.”

Welcome delegates, international speakers, industry leaders and policymakers to ETCon26 - uniting policy, industry, investment and innovation. TNB stands as Malaysia's energy backbone, enabling national transition and the region's clean energy connectivity.



Snapshot

More Than 4,000 Delegates Attend ETCon26 in KL

More than 4,000 delegates from over 60 countries are attending the Energy Transition Conference 2026 (ETCon26), a platform aimed at accelerating the implementation of Malaysia's energy transition roadmap.

Held under the theme "Energy & AI: The Synergy for Energy Transition," the conference features more than 50 exhibitors and 80 speakers.

The conference is anchored on three strategic pillars: Energy for Artificial Intelligence (AI), AI for Energy, and Energy Transition for People, reflecting the growing interdependence between energy systems and digital technologies.

The ETCon26 will focus on translating Malaysia's National Energy Transition Roadmap (NETR) into actionable outcomes, shifting from strategy formulation to execution.

The conference has attracted participation from global partners, including DayOne as the elite sponsor, underscoring the importance of collaboration in advancing a smarter, more secure and sustainable energy ecosystem.



4,000+
DELEGATES
From over
60 countries



80+
SPEAKERS
Sharing insights
and expertise



50+
EXHIBITORS
Showcasing innovative
solutions

Today's Highlights



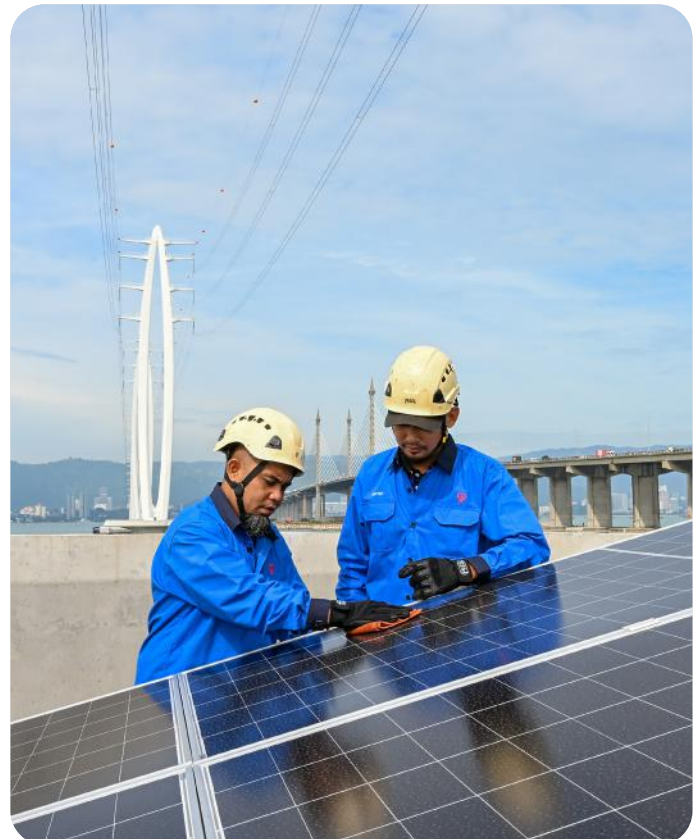
DAY 1

- **9.00AM-9.10AM - Plenary Hall**
Welcoming Address : Datuk Ir. Ts Shamsul Ahmad, President/ Chief Executive Officer, TNB
- **9.10AM-9.25AM - Plenary Hall**
Special Address : Malaysia's ET Journey : Opportunities, Readiness and Collaboration
YAB Datuk Amar Fadillah Yusof, Deputy Prime Minister of Malaysia & Minister of Energy Transition and Water Transformation
- **9.25AM-10.15AM - Plenary Hall**
Dialogue : Beyond the Trilemma: Managing Complexity in the Age of Electrification
- **10.30AM-10.55AM - Plenary Hall**
Plenary : Intelligent Energy Storage at Scale: Enabling the Next Phase of Energy Transition
- **10.50AM-11.20AM - Hall 4**
Prize Giving for Cool-Lah Challenge Competition by Malaysia Energy Literacy Program (MELP)
- **11.20AM-11.30AM - Hall 1**
Special Address : YB Dato' Indera Mohd Shahar Abdullah, Deputy Minister of Economy
- **11.30AM-12.05PM - Plenary Hall**
Dialogue: CCUS Readiness: Is ASEAN prepared for Carbon Capture at Scale?
- **12.05PM-12.40PM - Hall 4**
Dialogue : ASEAN Electric Mobility at Scale: Enabling The Next Phase of Growth
- **12.25PM-1.00PM - Plenary Hall**
Dialogue : Strengthening Grid Resilience in High-Renewable Systems
- **3.50PM-4.00PM - Plenary Hall**
Plenary : A Just Transition: Advancing Shared Prosperity
- **4.00PM-4.40PM - Plenary Hall**
Dialogue : Scaling Renewable Participation: Market and Policy Levers for CREAM and CRESS
- **5.00PM-5.40PM - Plenary Hall**
Dialogue : ASEAN's Net Zero Pathway : Can ASEAN Decarbonise without Nuclear Power



Trivia:

TNB plays a key role in advancing the ASEAN Power Grid (APG) through the Laos-Thailand-Malaysia-Singapore Power Integration Project (LTMS-PIP), facilitating up to 200MW of cross-border electricity trading across four ASEAN countries, demonstrating TNB's commitment towards strengthening regional energy connectivity and accelerating Southeast Asia's clean energy transition.



Special Story

Powering AI, Transforming Energy: The Core Synergy At ETCon26 Malaysia

The Energy Transition Conference 2026 (ETCon26) will serve as a key platform to advance artificial intelligence (AI) as a new frontier for innovation and power the next phase of Malaysia's energy transition. Themed "Energy & AI: The Synergy for Energy Transition," the conference is anchored on three strategic pillars, namely Energy for AI, AI for Energy and Energy Transition (ET) for People, reflecting the growing interdependence between energy systems and digital technologies.

Datuk Ir. Ts. Shamsul Ahmad, President/Chief Executive Officer TNB said the 2026 edition will focus on translating Malaysia's National Energy Transition Roadmap (NETR) into actionable outcomes, shifting from strategy formulation to execution. "We will gather participants, industry players and stakeholders to collaborate and develop a solid implementation pathway to accelerate Malaysia's energy transition agenda," he told Bernama in a recent interview.

Shamsul said a reliable and resilient energy system is fundamental to supporting the rapid expansion of AI-driven industries, particularly data centres, which are increasingly energy-intensive.

"AI cannot operate without energy. In fact, virtually every activity in the country depends on energy."

Shamsul noted that the growth of data centres in Malaysia underscores the need for a stable and competitive electricity supply, with TNB playing a key role in enabling this expansion.

At the same time, AI is becoming integral to transforming how energy systems are managed, enhancing efficiency, predictability and overall

system performance. Shamsul said AI is already being deployed across TNB's operations, including predictive maintenance, load balancing and weather forecasting. "For example, with predictive maintenance and weather forecasting, we know which assets to prioritise. These are fantastic things that can be done with AI embedded into operations," he said.

Shamsul added that AI is critical in addressing intermittency challenges associated with renewable energy, particularly solar generation. Beyond technology, Shamsul said the energy transition must deliver tangible benefits to society, including job creation, skills development and broader economic spillovers. He said the expansion of the renewable energy sector has created new economic opportunities, strengthening the case for support toward Technical and Vocational Education and Training (TVET) initiatives in areas such as solar and battery storage.

"We have worked closely with industry partners to support TVET, creating ready employment opportunities. The whole ecosystem benefits from this new economic sector," he said. Shamsul said TNB is also advancing the electrification of mobility, with more than 300 electric vehicle (EV) chargers already installed nationwide under the TNB Electron charging network.

He added that the initiative aims to accelerate EV adoption while supporting domestic automotive players and reducing emissions. He said these initiatives are expected to generate broad spillover effects across industries and communities, supporting Malaysia's transition to a low-carbon economy.

At the regional level, Shamsul said Malaysia is well-positioned to emerge as a smart and sustainable energy hub within ASEAN, supported by initiatives such as the ASEAN Power Grid. He said stronger collaboration and grid connectivity among countries will be critical to enabling cross-border electricity flows, with AI playing a key role in integration.

ETCon26 has attracted participation from global partners, including DayOne, Trilliant Network Inc, K2 Strategic, Hyosung, Schneider Electric, CATL & Proton reflecting the importance of a collaborative ecosystem.

Shamsul said the conference is expected to deliver concrete outcomes, including new projects and initiatives that will enhance productivity, strengthen economic growth and improve national competitiveness.

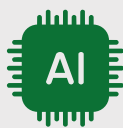
Partners

DAYONE

AI BOOM POWERS NEW ERA FOR DATA CENTRE AND ENERGY SYSTEM


2.5X

DATA CENTRE MARKET
growth projected over
the next 5 years


60%

AI WORKLOADS
driving incremental global data
centre demand by 2030


100kW+

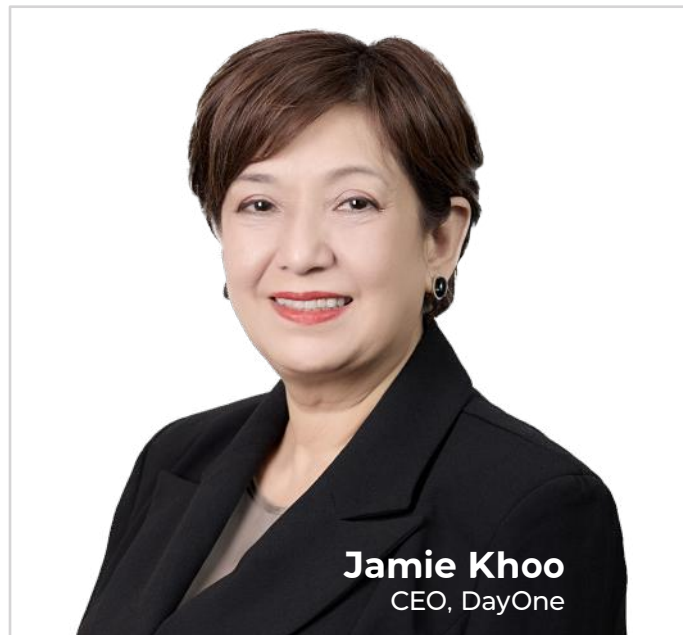
AI RACKS
powering the next
generation of AI

Jamie Khoo, Chief Executive Officer (CEO) of DayOne Data Centers, said artificial intelligence (AI) workloads are among the most energy-intensive computing tasks ever deployed.

She noted that AI-dense racks today run at 40kW to over 100kW, a step-change in power and cooling requirements that demand a fundamentally different approach to how data centres are designed and operated.

In Malaysia, she said where DayOne is building at a gigawatt scale, that reality shapes every infrastructure decision the company makes.

"AI is becoming a powerful tool for managing energy systems more efficiently, from optimising grid dispatch to forecasting renewable output and improving the economics of large-scale storage," she said.



Jamie Khoo
CEO, DayOne

“ Malaysia has the policy framework, renewable energy potential and government support to become a regional leader in sustainable digital infrastructure. ”



Jamie said Malaysia offers strong fundamentals for long-term infrastructure investment, supported by a business-friendly environment, growing renewable energy capacity, strong grid accessibility and a stable regulatory framework.

Therefore, she said the focus now is on building the execution infrastructure - grid, projects and policy continuity - to deliver at the speed and scale Malaysia is capable of.

She opined that the Energy Transition Conference 2026 (ETCon26) comes at a defining moment for digital infrastructure globally.

What makes ETCon26 special is that it brings energy producers, infrastructure operators, policymakers and technologists into the same room, Jamie said.

"This is not only a conference for dialogue, but also a platform to come together and act with commitments," she added.

Jamie said Malaysia has the policy frameworks, the renewable energy potential, and government support to become a regional leader in sustainable digital infrastructure.

"We look forward to contributing to that conversation and demonstrating how energy transition and digital infrastructure growth can be built to reinforce one another," she said.

“ Energy transition and digital infrastructure growth can be built to reinforce one another. ”



Partners



AI AND DATA UNLOCK IMMENSE OPPORTUNITIES

Artificial Intelligence (AI) is playing a crucial role in energy transition by managing power grid operations, planning infrastructure investments and optimising the design and siting of renewable installations.

As such, AI and data are important to empower innovation, driving impactful outcomes and unlocking opportunities.

The application of data driven initiatives to interpret energy information, enhance system performance and support more informed decision making are vital prerequisites towards facilitating and optimising a nation's energy transition endeavours.

This being the case, the internet of things, AI and data centre are important partnership sectors for Tenaga Nasional Berhad (TNB) to push energy transition in Malaysia's economic development.



The use of connected sensors and smart devices are vital to capture and share real-time data through the power company's partnerships in such crucial areas to empower innovation and open up more opportunities.

This will enable more efficient, transparent, and responsive power consumption while driving the nation's energy transition process. As such, Energy Transition Conference 2026 (ETCon26) is the ideal platform for partners to come together to accelerate the energy transition in unison.

The conference will foster practical collaboration among utilities, regulators and ecosystem partners, including showcasing real-world implementations, highlighting proven deployment models and accelerating alignment on interoperability, scalability and data governance.





“AI can enhance grid resilience, optimise operations and accelerate the energy transition.”

Eugene Loke
Managing Director
Asia Pacific (APAC) Trilliant Network Inc

AI Can Enhance Grid Resilience

Trilliant Network Inc Managing Director of Asia Pacific, Eugene Loke opines that the ETCon26 theme “Energy & AI: The Synergy for Energy Transition” reflects an inflection point.

This is where utilities, policymakers and technology providers must align on deploying data and AI at scale across real-world grid infrastructure.

He said Trilliant Network Inc will contribute to this dialogue by demonstrating how grid connectivity, data and AI must work together to deliver measurable outcomes in reliability and efficiency.

As AI rapidly becomes a core enabler of the energy transition, its impact depends on the quality of underlying grid data and the infrastructure’s ability to function as an efficient delivery system.

By leveraging grid data, AI can improve load forecasting, optimise demand, enhance grid resilience, enable predictive maintenance and asset health management as well as support the integration of distributed energy resources and electric vehicles.



Partners 

HYOSUNG

Hyosung Fuels on AI and Energy Storage to Support Malaysia's Renewable Ambitions

“ AI has evolved into a critical component of grid predictability and operational efficiency.”

Lucas Kwon

ASEAN Region Head
Hyosung Heavy Industries

The global energy industry is entering an "Energy Super Cycle" driven by the rapid growth of artificial intelligence (AI) and renewable energy development. AI has evolved into a critical component of grid predictability and operational efficiency, particularly in managing

the intermittency of renewable energy through real-time power generation forecasting and load management.

Against such a scenario, Lucas Kwon, the ASEAN Region Head for Hyosung Heavy Industries, said Energy Transition Conference 2026 (ETCon26) will serve as an important platform for sharing practical technical solutions to support Malaysia's





National Energy Transition Roadmap (NETR). The company aims to discuss the integrated application of High Voltage Direct Current (HVDC), Static Synchronous Compensator (STATCOM) and Battery Energy Storage System (BESS), which are essential technologies for improving grid flexibility and supporting the development of the ASEAN Power Grid (APG).

Hyosung Heavy Industries utilises an AI-driven Asset Management System (AMS) to monitor the condition of power equipment in real-time and prevent failures, while optimising maintenance costs and improving grid reliability. Energy transition is central to its strategy as it continues evolving into a global "Total Energy Solution" provider. To strengthen next-generation technologies and meet evolving technical standards, Hyosung Heavy Industries operates a Global R&D in Netherlands.

Stronger Grids, Sustainable Future

The company added that it has established experience in the BESS sector through large-scale projects in the United Kingdom, South Africa and Australia and intends to leverage this expertise to support Malaysia's energy transition efforts alongside local stakeholders and communities.

Malaysia is already playing a leading role in renewable energy expansion and grid modernisation within the ASEAN region. However, it noted that strengthening grid resilience will be critical to accommodate the increasing share of decentralised renewable energy sources.

The company said strategic deployment of STATCOM for grid stability, HVDC for efficient high-capacity transmission and BESS for balancing supply and demand will be key to supporting Malaysia's transition towards a more sustainable energy future.

It is prepared to contribute to Malaysia's energy transition by combining its hardware expertise with advanced digital solutions to help address technical challenges in the power sector.



Trivia:

TNB's 100MW/400MWh Battery Energy Storage System (BESS) in Santong, Terengganu, is the first battery energy storage system in Malaysia connected to the national grid, reinforcing grid stability and enabling controlled energy storage, while demonstrating TNB's commitment to advancing a more resilient and sustainable energy ecosystem.



Directory

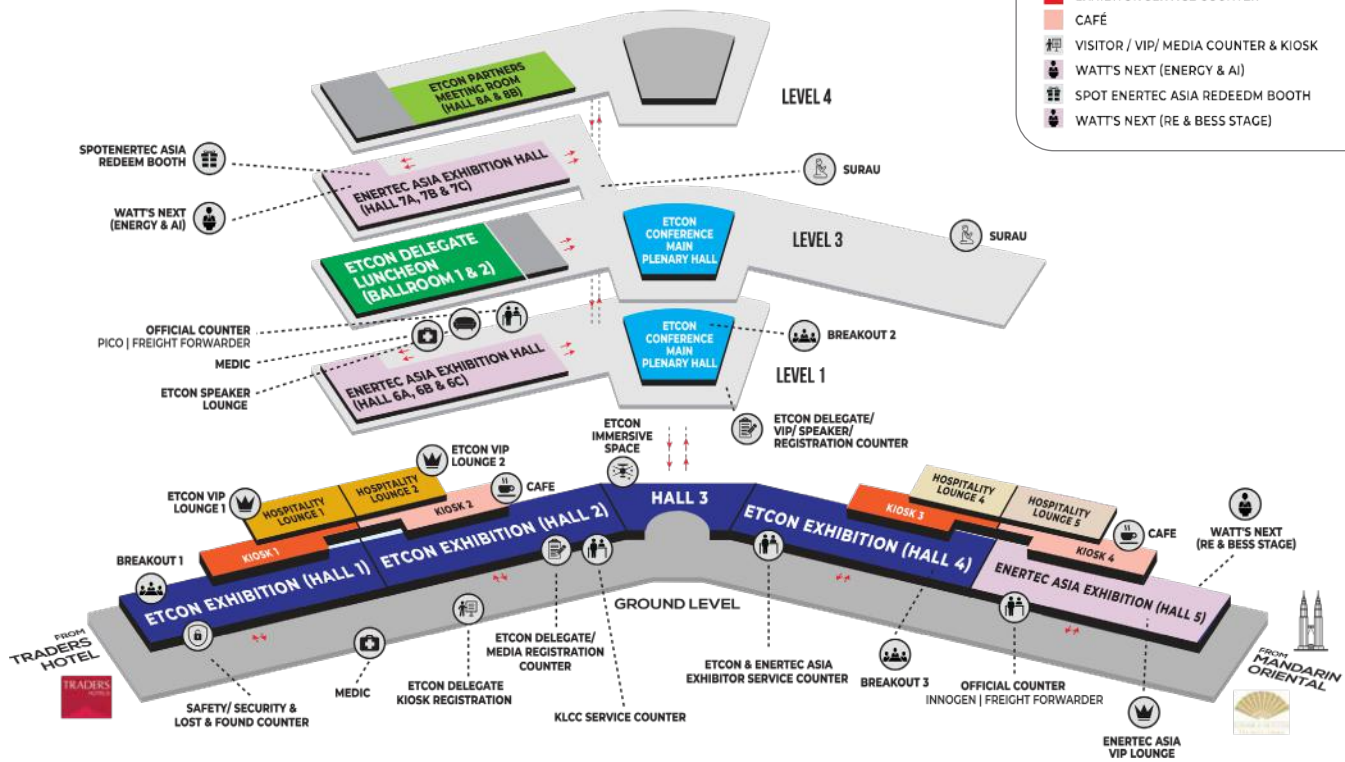
OVERALL FLOOR PLAN



03-05 JUNE 2026

KUALA LUMPUR CONVENTION CENTRE

- ETCON EXHIBITION HALL
 - CONFERENCE MAIN PLENARY HALL
 - DELEGATE LUNCHEON
 - PARTNERS MEETING ROOM
 - VIP LOUNGE 1 & 2
 - EXHIBITOR SERVICE COUNTER
 - CAFÉ
 - DELEGATE/ MEDIA REGISTRATION COUNTER
 - DELEGATE KIOSK REGISTRATION
 - DELEGATE/ SPEAKER / VIP REGISTRATION COUNTER
 - SPEAKER LOUNGE
 - BREAKOUT 1 (HALL 1) & 3 (HALL 4)
 - SAFETY/ SECURITY & LOST & FOUND COUNTER
 - SURAU (LEVEL 3 CENTRE CORE)
 - ETCON IMMERSIVE SPACE
-
- ENERtec ASIA 2026**
 - EXHIBITION HALL
 - EXHIBITOR SERVICE COUNTER
 - CAFÉ
 - VISITOR / VIP/ MEDIA COUNTER & KIOSK
 - WATT'S NEXT (ENERGY & AI)
 - SPOT ENERTEC ASIA REDEEDM BOOTH
 - WATT'S NEXT (RE & BESS STAGE)



Scan ETCon26 News Digital Version



Powered by



ETCON 2026

AI-powered Event Hub

SCAN TO VIEW WEB VERSION



- Attendees List & Networking Chatroom
- Partners List
- Conference Programme
- Exhibition Halls Floorplan
- AI Assistant