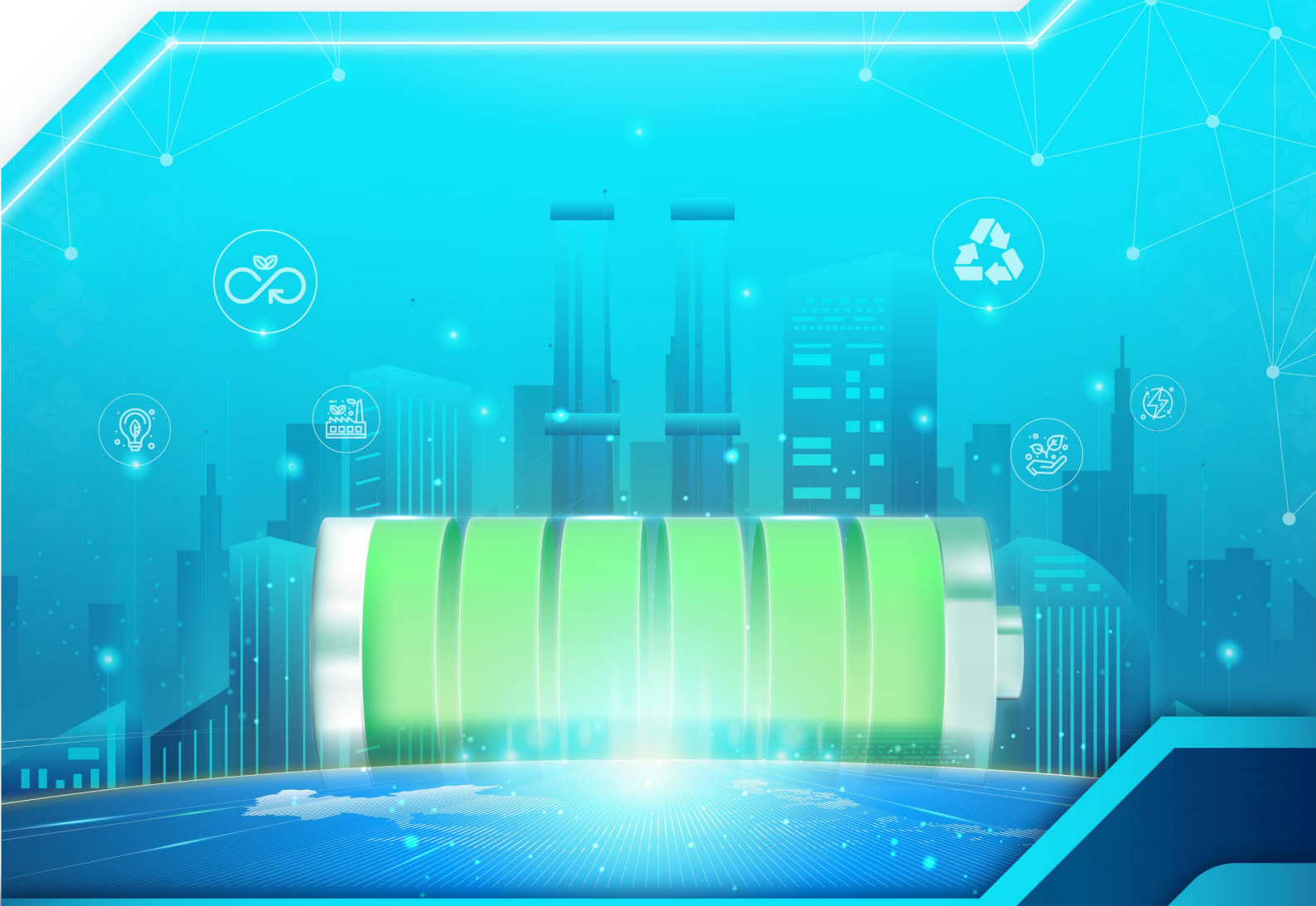
3rd ABTC

3rd ASEAN Battery Technology Conference

SAii Laguna Phuket, Phuket, Thailand | Aug 27 - 29, 2025

Digital Program Booklet



WELCOME MESSAGES

For a Greener Tomorrow: Advancing Battery Safety and Innovation for ASEAN's Next Generation

We are delighted to welcome you to the 3rd ASEAN Battery Technology Conference (ABTC), hosted in the stunning island destination of Phuket, Thailand. This year's event is proudly organized by the Thailand Energy Storage Technology Association (TESTA), in collaboration with key regional partners and stakeholders from across ASEAN and beyond.

Building on the success of ABEVTC 1 in Bali and ABTC 2 in Singapore, this year's conference takes us to Thailand, a nation that exemplifies the balance between progress and sustainability. Thailand's proactive initiatives in renewable energy, coupled with its growing electric vehicle and energy storage sectors, position it as a natural leader in ASEAN's green transition. Hosting the event in Phuket not only reflects the region's aspirations for a sustainable future but also underscores our collective responsibility to build a safer, cleaner energy ecosystem for future generations.

ABTC has rapidly become ASEAN's premier platform for battery and energy storage innovation. ABEVTC 1 laid the groundwork for regional collaboration, fostering critical discussions and partnerships that shaped the foundation of ASEAN's energy future. ABTC 2 expanded this vision, uniting over 300 global experts, policymakers, and innovators to explore cutting-edge advancements and strengthen the battery value chain. Now, ABTC 3 continues this legacy, bringing together an even broader range of stakeholders to address the challenges and opportunities shaping our industry.

Set against the picturesque backdrop of Phuket, a place renowned for its hospitality and vibrant culture, this year's event will inspire meaningful dialogue and collaboration. From advancing battery safety to creating sustainable solutions, ABTC 3 is dedicated to empowering the next generation with the tools and innovations needed to tackle the energy challenges of tomorrow.

Join us as we unite to shape a safer and greener energy future for ASEAN and beyond. Together, we will advance the frontiers of battery technology, ensuring a lasting impact for generations to come.

We look forward to welcoming you to ABTC 2025 in Phuket, Thailand!

Organizing Committee
3rd ABTC 2025

Table of Content

ABOUT ABTC

3rd ASEAN Battery Technology Conference

OUR VISION

To advance the battery, EV, and new energy ecosystem from the state to the ASEAN level by fostering collaboration among industries, academia, and policymakers across the region. This initiative aims to connect stakeholders to larger markets, drive technological innovation, and achieve the shared goal of reducing carbon footprints. Through the united efforts of leading regional associations in Southeast Asia, we aspire to create a dynamic and sustainable ecosystem for batteries, EVs, and new energy solutions in ASEAN.

ABOUT THE EVENT

The ASEAN Battery Technology Conference (ABTC) has become the premier platform for advancing the battery industry across ASEAN. First launched in 2023 in Bali, Indonesia, as the ASEAN Battery and Electric Vehicle Technology Conference (ABEVTC), it was rebranded as ABTC to emphasize its comprehensive focus on batteries. The idea originated from Hioki E.E. Corporation, which brought together regional associations to create this collaborative initiative. Hioki has proudly supported the first two events and continues as a key partner in the third year.

With events held in Bali in 2023, Singapore in 2024, and the upcoming edition in Phuket, Thailand, in 2025, ABTC has evolved into more than just a conference-it's a platform for collaboration, relationship building, and fostering a vibrant battery community in ASEAN. A landmark moment in 2023 saw regional associations signing an MOU to establish an ASEAN battery network, strengthening partnerships across the region.

ABTC's mission is to connect stakeholders, inspire innovation, and explore critical topics such as advanced battery materials, cell-to-pack technologies, recycling strategies, and battery safety standards. Together, we are shaping a sustainable and interconnected future for ASEAN's battery industry

Organizing Team

Dr. Pimpa Limthongkul

CO-CHAIRMAN

Thailand Energy Storage Technology Association

Dr. Davy Cheong

CO-CHAIRMAN

Singapore Battery Consortium

Prof. Ir. Endra Joelianto

CO-CHAIRMAN

National Center for Sustainable Transportation Technology

Prof. Dr. rer. nat. Evvy Kartini

CO-CHAIRMAN

National Battery Research Institute

Dr. Jose Bienvenido Manuel M. Biona

CO-CHAIRMAN

Electric Vehicle Association of the Philippines

Dr. Rezal Khairi Bin Ahmad

CO-CHAIRMAN

NanoMalaysia

Dr. Sumittra Charojrochkul

Executive committee

National Energy Technology Center, NSTDA

Mr. Suroj Sangsnit

Executive committee

Electric Vehicle Association of Thailand (EVAT)

Mr. Krisda Utamote

Executive committee

Electric Vehicle Association of Thailand (EVAT)

Asst. Prof. Dr. Uthane Supatti

Executive committee

Electric Vehicle Association of Thailand (EVAT)

Assoc. Prof. Dr. Yossapong Laoonual

Executive committee

Thailand Energy Storage Technology Association

Dr. Eng. Bentang Arief Budiman

Program Coordinator

National Center for Sustainable Transportation Technology

Dr. Chiam Sing Yang

Program Coordinator

Singapore Battery Consortium

Dr. Derrick Fam

Program Coordinator

Singapore Battery Consortium

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Program Coordinator

National Battery Research Institute

Engr. Jeun Rei Barlis

Program Coordinator

Electric Vehicle Association of the Philippines

Mr. Muhammad Firmansyah

Program Coordinator

National Battery Research Institute

Dr. Nonglak Meethong

Program Coordinator

Thailand Energy Storage Technology Association

Organizing Team

Ms. Sazlin Imaz Mohd Ismail

Program Coordinator

NanoMalaysia

Ir. Tengku Kahar Muzaffar

Program Coordinator

NanoMalaysia

Dr. Ing. Thomas Budiarto

Program Coordinator

National Center for Sustainable Transportation Technology

Mr. Andrew de Souza

Business Manager/Sponsors

NanoMalaysia Berhad

Ms. Denise Ho

Business Manager/Sponsors

Singapore Battery Consortium

Mr. Kevin Soh

Business Manager/Sponsors

Hioki E.E Corporation

Ms. Kornwika Chaiprateep

Business Manager/Sponsors

Thailand Energy Storage Technology Association

Ms. Saowalak Yiangkamolsingh

Business Manager/Sponsors

Thailand Energy Storage Technology Association

Dr. Ratiporn Munprom

Public Relations

Thailand Energy Storage Technology Association

Ms. Rino Kobayashi

Public Relations

Hioki E.E Corporation

Dr. Waiard Saikong

Public Relations

Thailand Energy Storage Technology Association

Dr. Nuwong Chollacoop

Events, Exhibition and Production

Thailand Energy Storage Technology Association

Ms. Panida Muangkasem

Events, Exhibition and Production

Thailand Energy Storage Technology Association

Mr. Suradit Umeno

Events, Exhibition and Production

National Energy Technology Center, NSTDA

Dr. Ukrit Sahapatsombat

Events, Exhibition and Production

Thailand Energy Storage Technology Association

Dr. Nattanai Kunanusont

Website & Registration

Thailand Energy Storage Technology Association

Dr. Priew Eiamlamai

Website & Registration

Thailand Energy Storage Technology Association

Ms. Vasinee Mekwatthana

Website & Registration

Hioki Electric (Thailand) Co. Ltd.

Ms. Panpanat Tesatchabut

Finance

Thailand Energy Storage Technology Association

Dr. Thanya Phraewphiphat

Finance

Thailand Energy Storage Technology Association

Dr. Jiravan Mongkonthanatas

Secretariat

Thailand Energy Storage Technology Association

Mr. Seiichi Yamazaki

Secretarait

Hioki E.E Corporation

Conference Program

Day 1 Morning | 27th August 2025

TIME	SESSION	SPEAKERS/PANELISTS
08:35	**Welcome Speech**	 **Dr. Pimpa Limthongkul** President of Thailand Energy Storage Technology Association (TESTA)  **Mr. Samawit Supanpai** Deputy Governor of Phuket  **Dr. Sumittra Charojrochkul** Executive Director of the National Energy Technology Center
08:50	**Opening Speech**	 **Mr.Pongpol Yodmuangcharoen** Secretary to the Minister of Industry
09:10	**Honorary Plenary Speech** Li Batteries: 50 Years Old and the Future Challenges for Localized Manufacturing	 **Prof. M. Stanley Whittingham** Binghamton University, State University of New York (SUNY)
09:50	**Networking Tea Break**	
10:20	**Panel Discussion I** Unlocking ASEAN's Battery Potential, Safety Innovation, and Policy in Action	 **Ms. Sudhasinee Smitra** Senior Executive Investment Advisor, Thailand Board of Investment  **Ms. Corieh Dichosa** Executive Director, Philippine Board of Investment  **Dr. Paul Wang** Senior Manager, Land and Transport Authority, Singapore (LTA)  **Dr. Rezal Khairi Ahmad** CEO, NanoMalaysia  **Prof. Ir. Endra Joelianto, Ph.D.** Personnel, Director of National Center for Sustainable Transportation Indonesia (NCSTT)  **Moderator:** Dr. Pimpa Limthongkul President of Thailand Energy Storage Technology Association (TESTA)
11:20	**MOU Signing Ceremony** Partnership among ASEAN on Battery and EV Ecosystems & Special Announcements	
12:10	**Networking Lunch & Exhibition Visit**	

Conference Program

Day 1 Afternoon | 27th August 2025

FUTURE OF BATTERY TECHNOLOGIES

TIME	SESSION	SPEAKERS/PANELISTS
13:30	**Plenary Speech** NLV: A Disruptive Battery Technology for Fast Charging, Safety and Lifespan Improvement	 **Prof. Rachid Yazami** Founding Executive Director and CTO, KVI Holdings
14:00	**AI and Machine Learning in Battery Manufacturing**	 **Ms. Wang Shirui** Product Manager, Siemens Pte Ltd
14:20	**Thinking on the Development of Sodium Ion Batteries and Solid-SIB for Energy Storage Systems**	 **Dr. Kent Jian Tu** Chairman, Li-Fun Technology Co., Ltd.; Founder, NatFound Technology, Ltd.
14:40	**Ultra Safe Solid-State Battery to Avoid Battery Thermal-Propagation**	 **Dr. Dou Xi** Hytzer Energy Co., Ltd, China
15:00	**Networking Tea Break**	
15:30	**The Path to ASEAN e-Mobility Leadership Starts with Innovation, Not Imitation**	 **Mr. Naoki Ota** CEO, 24M Technologies USA
15:50	**Powering the Future** High-Energy Battery Innovation and Application Safety	 **Prof. Zhang Yuegang** CEO & Founder of Montavista Energy Technologies Corporation (Anhui)

Conference Program

3rd ABTC

Day 2 Morning | 28th August 2025

LARGE SCALE/LONG DURATION BESS AND BEYOND

TIME	SESSION	SPEAKERS/PANELISTS
08:55	**Welcome & Recapped**	
09:00	**Plenary Speech** Metal - Air Systems to Enable New Storage Applications	 **Prof. Yet-Ming Chiang** Massachusetts Institute of Technology (MIT)
09:40	**Thailand Grid Management** Battery Solution	 **Mr. Warit Rattanachuen** Assistant Governor, Electricity Generating Authority of Thailand (EGAT)
10:00	**Networking Tea Break**	
10:15	**Bringing a Critical but Forgotten Component in BESS Systems Back into Spotlight**	 **Mr. Alex Pan** Commercial Director, Green Tenaga
10:35	**Energy Storage System Deployment Plans and Ecosystem in Malaysia**	 **Dr. Nofri Yenita Dahlan** Director of UiTM Solar Research Institute Universiti Teknologi MARA (UiTM) Shah Alam, Malaysia
10:55	**Grid-Forming ESS** The Powering of the World's Largest 100% Renewable City	 **Mr. Patipan Kalvibool** Chief Technology Officer, Huawei Digital Power, Thailand
11:15	**Panel Discussion III** Beyond the Battery: Innovation in ASEAN for Grid-scale Storage Systems	 **Prof. Madya Ir. Ts. Dr. Jasrul Jamani Jamian** Universiti Teknologi Malaysia  **Mr. Sudhibhumi Pumhiran** Vice President-Corporate Strategy & Finance and Accounting, Nuovo Plus Company Ltd.  **Mr. Ricky Cahya Andrian** VP Decarbonization Business Development, PT PLN  **Mr. Forest Tu** CEO, SynVista Energy Holdings Pte Ltd.  **Moderator:** Dr. Derrick Fam Singapore Battery Consortium (SBC)
12:15	**Networking Lunch & Exhibition Visit**	

Conference Program

Day 2 Afternoon | 28th August 2025

BATTERY SAFETY

TIME	SESSION	SPEAKERS/PANELISTS
13:30	**Panel Discussion II** Progresses in Technological and Industrial Advances in Battery Systems	 **Dr. Jia Junbo** Lead scientist in Temasek Polytechnic, Singapore  **Mr. Kasiean Sukemoke** C&D Technologies/PECTECH, Thailand  **Dr. Kam Piu (Bill) Ho** Co-founder & CEO, GRST, Hong Kong  **Mr. Phillip Lee** Vice President, Green Tenaga, Singapore  **Moderator:** Dr. Darren Tan UNIGRID Battery
14:15	**Keynote Speech** Understanding Performance and Safety of Anode-Free Battery	 **Prof. Shirley Meng** The University of Chicago, Argonne National Laboratory, USA
14:45	**Panel Discussion IV** Balancing Power and Protection: What's Next in Battery Safety?	 **Mr. Kolin Low** Regional Director, UL Standard and Engagement  **Prof. Zhang Yuegang** CEO & Founder of Montavista Energy Technologies Corporation (Anhui)  **Dr Hang Seng Che** Technical Director, EV Connection, Malaysia  **Dr. Zhang Bo** Managing Director, Concord New Energy  **Mr. Visanu Pipatkulchai** Engineer Level 9, Hydro and Renewable Energy Power Plant Development Division, EGAT  **Moderator:** Dr. Sing Yang Chiam Singapore Battery Consortium, (ASEAN Battery Safety Network)
15:45	**Exhibition Showcases & Coffee Tea Break** @Sailom Room	
16:45	**Keynote Speech** The Endeavor for Achieving Ultimate Safety Target for Large ESS Systems	 **Dr. Zhu (Drew) Feng** Chief Safety & Reliability Officer, Xiamen Ampace
17:05	**Safety Considerations in Na-ion Cells**	 **Dr. Darren Tan** CEO & Co-Founder, UNIGRID battery
17:25	**Early Detection of Electrolyte Vapor Gas**	 **Mr. Ivan Yeo** Regional Business Development Manager, Honeywell
18:30	**Networking Night/ Gala Dinner**	**Sponsored by Hioki Corporation**

Conference Program

3rd ABTC

Day 3 Morning | 29th August 2025

BATTERY SUPPLY CHAIN AND CIRCULARITY

TIME	SESSION	SPEAKERS/PANELISTS
08:55	**Welcome & Recapped**	
09:00	**Towards a Circular Value Chain for Lithium-ion Batteries**	 **Mr. Kelvin Chan** Director of A*STAR Battery Centre, Singapore
09:20	**Panel Discussion V** Closing the Loop: Circularity, Battery Passport & Material Supply Chain	 **Ms. Kornwika Chaiprateep** SK TES Thailand  **Ir. Tengku Kahar Muzaffar Bin Tengku Mohd Yusof Anuar** Vice President of Strategy and Special Projects of NanoMalaysia  **Prof. Dr. rer. nat. Evvy Kartini** National Battery Research Institute, Indonesia  **Dr. Gavin Collis** CSIRO, Australia  **Mrs. Rangsinee Prakij** Director of Business Development Division, EGAT, Thailand  **Mr. Erik Foppen** Regional Segment Leader EV Battery (EA&India) Schneider Electric  **Moderator:** Mr. Aloysius Lim Qing Rong Circulor, UK
10:20	**Networking Tea Break**	
10:50	**Powering the Future** Standardized Connector Interfaces for LEV Growth	 **Mr. P-Mathew Nebu** Senior Engineering Manager, Amphenol Communications Solutions
11:10	**Circular Battery Solutions for Public Transport** Building Local Capacity in Malaysia's Climate	 **Dr. Khair Hassan** Technical Advisor, ElektroModula Sdn Bhd.
11:30	**Panel Discussion VI** Supply Chain Synergy Enabling Battery Swapping in Asean	 **Mr. Deric Lee** Senior Distribution Manager, Amphenol Communications Solutions  **Dr. Rujiroj Leelaruji** Bangchak PCL, Thailand  **Mr. Muhammad Firmansyah** CEO, PT Infiniti Energi Indonesia; Program Director, NBRI  **Dr. Jose Bienvenido Manuel M. Biona** Electric Vehicle Association Philippines (EVAP)  **Mr. Thanat Thumpomkul** Managing Director, EM Motor Co. Ltd., Thailand  **Moderator:Dr. Rezal Khairi Ahmad** CEO, NanoMalaysia
12:10	**Networking Lunch & Exhibition Visit**	

Conference Program

3rd ABTC

Day 3 Afternoon | 29th August 2025

MARKET & FINANCE

TIME	SESSION	SPEAKERS/PANELISTS
13:30	**Global Battery Value Chain Outlook and Opportunities in ASEAN**	 **Ms. Xiaowei Mei** Senior Battery Demand Analyst, Cru Group
13:50	**Panel Discussion VII:** From Capital to Kilowatts: Financing Battery Industries in the ASEAN Region	 **Mr. Shaw Jia Hong** Chief of Ignite, Elev8.vc  **Mr. Aung Shin Thant** Director, YCP  **Dr. Wichai Narongwanich** First Senior Vice President, Corporate Strategy and Innovation at Kasikorn Bank, Thailand  **Mr. Samuel Chia** Equity Investment Manager, Siemens Financial Services  **Ms. Sooksiri Chamsuk** Deputy Representative at Regional Hub in Thailand, UNIDO  **Moderator:** Mr. Spencer Liu Founder & MD, Riverwood Climate Solutions
14:50	**Closing Ceremony & Hand-over to ABTC 2026**	
15:30	**Networking Tea Break & Departure**	

09:10

Honorary Plenary Speech

Nobel Laureate
in Chemistry in 2019

Li Batteries: 50 Years Old and the Future Challenges for Localized Manufacturing

Dr. M. Stanley Whittingham is a SUNY distinguished professor of chemistry and materials science and engineering at SUNY Binghamton and the 2019 Chemistry Nobel Laureate.

He received his BA and D Phil degrees in chemistry from Oxford University, where he is an honorary Fellow of New College. He has been active in Li-batteries since 1971 when he won the Young Author Award of the Electrochemical Society for his work on the solid electrolyte beta-alumina. In 1972, he joined Exxon's Corporate Research Laboratory and discovered the role of intercalation in battery reactions, which resulted in the first commercial lithium rechargeable batteries that were built by Exxon Enterprises. In 1988 he returned to academia at SUNY Binghamton to initiate a program in materials chemistry. He initiated graduate program in Materials Science and Engineering. He was awarded a JSPS Fellowship in the Physics Department of the University of Tokyo in 1993.

From 1993-1999 he was Vice-Provost for Research. In 2004 he received the Battery Division Research Award. He is presently Director of the NECCES EFRC based at Binghamton. In 2012 he received the Yeager Award of the International Battery Association for his lifetime contributions to battery research. In 2015 he received the Lifetime Contributions to Battery Technology award from NAATBaaT, In 2017 the Senior Research Award from Solid State Ionics, and in 2018 was elected a member of the National Academy of Engineering and received the Turnbull Award from MRS. He is a Fellow of both the Electrochemical Society and the Materials Research Society. He is Vice-Chair, Board of Directors of the New York Battery and Energy Storage Technology Consortium (NYBEST).

Plenary Speaker Profiles

Day 1 Afternoon | 27th August 2025

13:30

Plenary Speech

NLV: A Disruptive Battery Technology for Fast Charging, Safety and Lifespan Improvement

Prof. Rachid Yazami is a world-renowned scientist in battery technology, best known for inventing the lithium–graphite anode in the 1980s, a key component in nearly all commercial lithium-ion batteries.

He is the Founding Director and CTO of KVI Holdings in Singapore, which develops disruptive technologies for battery management, safety, and life enhancement across applications from mobile devices to electric vehicles and large-scale storage. He has received many prestigious awards, including the Draper Prize from National Academy of Engineering, USA, the VinFuture Prize Laureates, the Royal Wissam of Intellectual Competency from HM the King of Morocco, and the Chevalier de la Légion d'Honneur, France , among others.

Note:

09:00

Plenary Speech

Metal - Air Systems to Enable New Storage Applications

Prof. Yet-Ming Chiang is the Kyocera Professor in the Department of Materials Science and Engineering at MIT, where his research focuses on clean energy technologies including non-aqueous and aqueous batteries for transportation and grid-scale storage, and electrochemical production of construction materials.

He has brought several laboratory discoveries to commercial implementation, including the development of high-power lithium iron phosphate batteries, a semi-solid electrode approach to low-cost lithium-ion battery manufacturing, and batteries for long-duration grid storage. He has published about 300 scientific articles and holds about 100 issued U.S. patents, of which more than 70 have been licensed to or are held by practicing companies. Chiang is a member of the U.S. National Academy of Engineering and Fellow of the Materials Research Society, the American Ceramic Society, and the National Academy of Inventors.

His work in energy has been recognized by the World Economic Forum's Technology Pioneer Award (2016), the Economist's Innovation Award (Energy and Environment Category, 2012), The Electrochemical Society Battery Division's Battery Technology Award (2012), and an R&D 100 Editor's Choice Award (2006). Chiang has co-founded several companies based on research from his MIT laboratory including American Superconductor Corporation (1987), A123 Systems (2001), 24M Technologies (2010), Desktop Metal (2015), Form Energy (2017), and Sublime Systems (2020). He was co-director of the MIT Future of Energy Storage study (2022) and leads the newly inaugurated Center for Electrification and Decarbonization of Industry at MIT.

Keynote Speaker Profiles

Day 2 Afternoon | 28th August 2025

BATTERY SAFETY

14:15

Keynote Speech

Understanding Performance and Safety of Anode-Free Battery

Dr. Y. Shirley Meng is a Professor at the Pritzker School of Molecular Engineering at the University of Chicago. She serves as the Chief Scientist of the Argonne Collaborative Center for Energy Storage Science (ACCESS) Argonne National Laboratory.

Dr. Meng is the principal investigator of the research group – Laboratory for Energy Storage and Conversion (LESC), that was established at University of California San Diego since 2009. She held the Zable Chair Professor in Energy Technologies at University of California San Diego (UCSD) from 2017-2022. Dr. Meng received several prestigious awards, including ECS Battery Division Research Award (2023), the C3E technology and innovation award (2022), the Faraday Medal of Royal Chemistry Society (2020), International Battery Association IBA Research Award (2019), Blavatnik Awards for Young Scientists Finalist (2018), C.W. Tobias Young Investigator Award of the Electrochemical Society (2016) and NSF CAREER Award (2011).

Dr. Meng is elected Fellow of Electrochemical Society (FECS), Fellow of Materials Research Society (FMRS) and Fellow of American Association for the Advancement of Science (AAAS). She is the author and co-author of more than 300 peer-reviewed journal articles, two book chapters and eight issued patents. She is the Editor-in-Chief for Materials Research Society MRS Energy & Sustainability. Dr. Meng received her Ph.D. in Advance Materials for Micro & Nano Systems from the Singapore-MIT Alliance in 2005. She received her bachelor's degree in Materials Science with first class honor from Nanyang Technological University of Singapore in 2000.

16:45

Keynote Speech

The Endeavor for Achieving Ultimate Safety Target for Large ESS Systems

Dr. Zhu (Drew) Feng is the Chief Safety & Reliability Officer and one of the founding members of Xiamen Ampace Technology Limited, a leading battery company jointly established by ATL and CATL.

Since 2019, he has led Ampace's efforts in advancing battery safety, reliability, and validation processes, critical areas for next-generation energy storage systems. Prior to Ampace, Dr. Feng held senior roles in ATL and CATL, where he spearheaded safety and reliability programs for lithium-ion batteries. His earlier career spans over 20 years in the data storage industry across China and the United States, specializing in reliability engineering. Dr. Feng holds a Ph.D. from the University of Cambridge and completed postdoctoral research at the University of California, Berkeley. He also holds degrees in chemistry and chemical physics from Lanzhou University and the Chinese Academy of Sciences.

Dr. Feng has co-authored over 20 patents and published numerous technical papers. He serves as a Standards Technical Panel (TC/STP) member for key lithium-ion safety standards including UL9540A/UL1973/UL2580/UL2271/UL2272/UL27343/UL2849 et al and is also an expert advisor on lithium-ion batteries for the China Electronic Standardization Institute (CESI).

Panel Discussion I

10:20

Unlocking ASEAN's Battery Potential, Safety Innovation, and Policy in Action

MODERATOR

Dr. Pimpa Limthongkul
TESTA

Ms. Sudhasinee Smitra
Thailand Board of Investment

Ms. Corieh Dichosa
Philippine Board of Investment

Dr. Paul Wang
Land and Transport Authority, Singapore (LTA)

Dr. Rezal Khairi Ahmad
NanoMalaysia

Prof. Ir. Endra Joelianto, Ph.D.
National Center for Sustainable Transportation Indonesia (NCSTT)

Ms. Sudhasinee Smitra
Senior Executive Investment Advisor,
Thailand Board of Investment

Miss Sudhasinee Smitra has served the Thailand Board of Investment (BOI) since 2001, with extensive experience in investment strategy and promotion. She has held key roles including Counsellor (Economic and Investment) at the Royal Thai Embassy in Tokyo (2011–2015), Senior Investment Promotion Officer (2016–2019), and Executive Director of the Investment Strategy and Policy Division (2019–2024). She was appointed Senior Executive Investment Advisor in 2024.

A Thai Government Scholarship recipient, she holds a Bachelor's and Master's in Engineering from Kyoto University, Japan, a Master's in Business (Marketing) from the University of Technology Sydney, and a Master's in Management (Marketing Management) from Mahidol University. She was awarded Outstanding Civil Servant of the Year in 2004.

Ms. Corieh Dichosa
Executive Director,
Philippine Board of Investment

Ms. Corazon Halili-Dichosa is a career executive with more than 30 years of experience in the Board of Investments (BOI). She has handled various assignments in BOI, from industry development to international marketing and treaty negotiations. She is currently the Executive Director of the Industry Development Services (IDS), composed of the Infrastructure and Services, Resource-based, and Manufacturing Industries Services as well as the Investment Policy and Planning Service. She is tasked to handle industry programs and policies of the agency. She also handles environmental policy matters and the agency's ISO Certification and Performance Governance Scorecard (PGS). She sits in several government Committees and Boards as a designated representative of the Department of Trade and Industry (DTI).

Executive Director Dichosa is a graduate of B.S. in Chemical Engineering and M.S. in Chemical Engineering from the Mapua Institute of Technology and Bachelor of Laws from the Adamson University. She has also completed the Certificate Programs on Regional Marketing of the Carl Duisberg Gesellschaft and on Strategic Business Economics of the University of Asia and the Pacific.

Panel Discussion I

10:20 **Unlocking ASEAN's Battery Potential, Safety Innovation, and Policy in Action**

MODERATOR

Dr. Pimpa Limthongkul
TESTA

Ms. Sudhasinee Smitra
Thailand Board of Investment

Ms. Corieh Dichosa
Philippine Board of Investment

Dr. Paul Wang
Land and Transport Authority, Singapore (LTA)

Dr. Rezal Khairi Ahmad
NanoMalaysia

Prof. Ir. Endra Joelianto, Ph.D.
National Center for Sustainable Transportation Indonesia (NCSTT)

Dr. Paul Wang
Senior Manager,
Land and Transport Authority (LTA), Singapore

Dr. Paul Wang is a Senior Manager at the Land Transport Authority (LTA) of Singapore, specializing in sustainable transport and EV safety. He holds a Ph.D. in Mechanical and Materials Engineering (2017) from a joint program with Nanyang Technological University (NTU), Singapore and Institut polytechnique de Grenoble in France.

At LTA, Dr. Wang plays a key role in enhancing the Government's EV incident and post-incident response framework, corralling stakeholders to assess infrastructure adequacy and battery standards, and advancing knowledge of EV battery fire dynamics and risk management. He also supports trials of new solutions and contributes to the National Electric Vehicle Centre's (NEVC) manpower needs, reinforcing Singapore's drive toward safe and sustainable e-mobility.

Dr. Rezal Khairi Ahmad
CEO,
NanoMalaysia

Dr. Rezal Khairi Ahmad is the Chief Executive Officer of NanoMalaysia Bhd. since June 2013. He possesses a PhD. in Nanotechnology, Electronic/Electrical Engineering from London Centre for Nanotechnology, University College London and Master's degree in Electrical Engineering from Tenaga Nasional University. He is an Adjunct Professor of Universiti Teknologi Malaysia. Recently, Dr. Rezal has been designated as the President of Asia Nano Forum for the term 2024-2026.

Under his tenure, Dr. Rezal has successfully crafted the company structure and developed the business model and corporate positioning strategy relative to similar-minded government agencies and relevant industries. His current endeavours include Energy Storage, Renewables, Electric Vehicles, Hydrogen Economy and Biomass innovation. With his vast knowledge on technology and business and experience in hydrogen economy from involvement in projects, Rezal Khairi plays an important role by becoming the lead author as well as the Chief Consultant together with a group of authors on the H.E.T.R. (Hydrogen Economy Technology Roadmap) to the Malaysian government. He plays a leadership role in the "Build Some' part of the 'Build Some Buy Some' principle of H.E.T.R. covering electrolyzer, solid state hydrogen storage and catalysts

Panel Discussion I

10:20 **Unlocking ASEAN's Battery Potential, Safety Innovation, and Policy in Action**

MODERATOR

Dr. Pimpa Limthongkul
TESTA

Ms. Sudhasinee Smitra
Thailand Board of Investment

Ms. Corieh Dichosa
Philippine Board of Investment

Dr. Paul Wang
Land and Transport Authority, Singapore (LTA)

Dr. Rezal Khairi Ahmad
NanoMalaysia

Prof. Ir. Endra Joelianto, Ph.D.
National Center for Sustainable Transportation Indonesia (NCSTT)

Prof. Ir. Endra Joelianto, Ph.D.
Director,
National Center of Sustainable Transportation (NCSTT),
Indonesia

Prof. Ir. Endra Joelianto is a prominent academic and researcher specializing in control systems, automation, and intelligent transportation technologies. He currently serves as the Director of the National Center for Sustainable Transportation Technology (NCSTT), where he leads initiatives to advance sustainable mobility solutions in Indonesia and the ASEAN region.

In addition to his leadership role at NCSTT, Prof. Endra is a Professor at the Institute of Technology Bandung (ITB). His extensive research has contributed significantly to enhancing energy efficiency, safety, and innovation in transportation systems.

MODERATOR

Dr. Pimpa Limthongkul
President,
Thailand Energy Storage Technology Association (TESTA)

Dr. Pimpa Limthongkul is the co-founder and President of the Thailand Energy Storage Technology Association (TESTA) and serves as the Energy Innovation Research Group Director at the National Energy Technology Center in Thailand.

With over 25 years of experience in both academic and industry settings, Dr. Limthongkul has been at the forefront of developing energy storage materials and systems to support the transition to electric vehicles and renewable energy. Her extensive work has resulted in over 70 scientific publications, 20 patents, and the founding of two battery companies.

Note:

Panel Discussion II

13:30 Progresses in Technological and Industrial Advances in Battery Systems

MODERATOR
Dr. Darren Tan
UNIGRID Battery

Dr. Jia Junbo
Temasek Polytechnic, Singapore

Mr. Kasiean Sukemoke
C&D Technologies/PECTECH, Thailand

Dr. Kam Piu (Bill) Ho
GRST, Hong Kong

Mr. Phillip Lee
Green Tenaga, Singapore

Dr. Jia Junbo
Lead scientist,
Temasek Polytechnic,
Singapore

Dr. Jia Junbo is a Lead Scientist at the Clean Energy Research Centre, Temasek Polytechnic, specializing in power electronics, lithium-ion battery system modelling and control, and smart energy management. He has led multiple large-scale projects, including the High-Performance Li-ion Battery Power System for Deep Water Operations and the Smart Distributed ESS Management for Fire Hazard Mitigation in Hot-Humid Conditions. He is also a member of IEEE and serves as a consultant on advanced energy storage solutions. Dr. Jia received his Ph.D. in 2011 from Nanyang Technological University, Singapore.

Mr. Kasiean Sukemoke
C&D Technologies/PECTECH, Thailand

Kasiean Sukemoke is the Managing Director of PEC Technology (Thailand) with a Master's Degree in Electrical Engineering from Chulalongkorn University (1991). He has extensive experience in power and energy technology, including theoretical and practical design of UPS systems at Merlin Gerin, Grenoble, France, product design of Battery Monitoring Systems at PEC Technology, and in-depth research on the failure mechanisms of VRLA batteries.

Note:

Panel Discussion II

13:30 Progresses in Technological and Industrial Advances in Battery Systems

MODERATOR
Dr. Darren Tan
UNIGRID Battery

Dr. Jia Junbo
Temasek Polytechnic, Singapore

Mr. Kasiean Sukemoke
C&D Technologies/PECTECH, Thailand

Dr. Kam Piu (Bill) Ho
GRST, Hong Kong

Mr. Phillip Lee
Green Tenaga, Singapore

Dr. Ho Kam Piu
CEO/CTO & Co-Founder, GRST

Dr. Ho is CEO/CTO & Co-founder of GRST. He is a battery expert and oversees all aspects of GRST's daily operation and R&D implementation. With over 20 years of experience in battery research and development, Dr. Ho has been a driving force behind GRST's mission to innovate cleaner, safer, and more cost-effective battery production and recycling processes. He has played an instrumental role in the company's pioneering advancements and is credited as the inventor on more than 200 patents globally, covering key areas such as battery materials, battery manufacturing, and recycling technologies. Dr. Ho earned his Ph.D. in Chemistry from Hong Kong Polytechnic University and completed postdoctoral research in materials science at McGill University.

Mr. Philip Lee
Vice President, Green Tenaga

Philip Lee is Green Tenaga's Vice President for APAC region. He brings over close to 15 years of regional work experience in various leading technological firms and has a proven track record of leading and implementing strategic initiatives across countries. Leveraging on his expertise in industrial automation, digitization, and sustainability, he is tasked to drive Green Tenaga's efforts to pioneer "A Sustainable Future" by making energy storage initiatives smarter, more sustainable, more agile, and more resilient through end-to-end customer centric approach. By prioritizing stakeholder management and embracing a partnership-centric approach, Philip is able to build collaborative relationships, create value, and drive sustainable success across its initiatives.

Note:

Panel Discussion II

13:30

Progresses in Technological and Industrial Advances in Battery Systems

MODERATOR

Dr. Darren Tan
UNIGRID Battery

Dr. Jia Junbo
Temasek Polytechnic, Singapore

Mr. Kasiean Sukemoke
C&D Technologies/PECTECH, Thailand

Dr. Kam Piu (Bill) Ho
GRST, Hong Kong

Mr. Phillip Lee
Green Tenaga, Singapore

Note:

MODERATOR

Dr. Darren Tan
CEO,
UNIGRID Battery

Dr. Darren H. S. Tan is the CEO and co-founder of UNIGRID Battery, a spin-out startup from the University of California, San Diego, where he obtained his Ph.D. from the Chemical Engineering department. He is currently leading the UNIGRID team in commercializing advanced sodium ion batteries for the emerging motive and stationary storage markets.

Panel Discussion III

11:15

Beyond the Battery: Innovation in ASEAN for Grid-scale Storage Systems

MODERATOR

Dr. Derrick Fam
Singapore Battery Consortium (SBC)

Prof. Madya Ir. Ts. Dr. Jasrul Jamani Jamian
Universiti Teknologi Malaysia

Mr. Sudhibhumi Pumhiran
Nuovo Plus Company Ltd.

Mr. Ricky Cahya Andrian,
PLN (Persero), Indonesia

Mr. Forest Tu
SynVista Energy Holdings Pte Ltd.

Prof. Madya Ir. Ts. Dr. Jasrul Jamani Jamian
Universiti Teknologi Malaysia

Dr. Jasrul Jamani Bin Jamian earned his Bachelor of Engineering (B.Eng. Hons), Master of Engineering (M.Eng.), and Ph.D. in Electrical (Power) Engineering from Universiti Teknologi Malaysia in 2008, 2010, and 2013, respectively. Currently, he is an Associate Professor in the Power Engineering Department at the Faculty of Electrical Engineering, Universiti Teknologi Malaysia, and also serves as Director of Research & Development at Sustainable & Innovation Engineering Sdn Bhd, a UTM spin-off company. Dr. Jasrul is actively involved in research and development, leading multiple projects as principal investigator. His consultancy work with multiple companies, such as Petronas and Tenaga Nasional Berhad, has focused on areas like relay coordination, power system studies, energy management, and solar PV system design. Since 2023, he has also conducted specialized training on Battery Energy Storage Systems: Principles and Design for key Malaysian organizations, including the Energy Commission, Tenaga Nasional Berhad, and Single Buyer Malaysia. His research interests encompass network reconfiguration, optimization techniques, and the integration of renewable energy.

Mr. Sudhibhumi Pumhiran
Vice President-Corporate Strategy & Finance and Accounting,
Nuovo Plus Company Ltd.

Sudhibhumi Pumhiran began his career at PTT in 2004, focusing on research and development in natural gas processing. He later transitioned to strategic planning for the natural gas vehicle business, where he contributed to advancing sustainable mobility solutions. In 2017, he embraced a new challenge by joining GPSC to pioneer Thailand's lithium-ion battery industry. Since then, he has led numerous projects, including the development of the country's first semi-solid battery pilot plant and a wide range of energy storage system (ESS) applications across the PTT Group and beyond. Most notably, he played a key role in establishing a joint venture with Gotion High-Tech—one of the world's leading battery manufacturers—to build a battery module and pack factory in Thailand. Today, Sudhibhumi serves as Vice President of Strategic Planning at Nuovo Plus, the battery spin-off company of the PTT Group, where he continues to drive innovation and strategic growth in the energy storage sector.

Panel Discussion III

11:15

Beyond the Battery: Innovation in ASEAN for Grid-scale Storage Systems

MODERATOR

Dr. Derrick Fam
Singapore Battery Consortium (SBC)

Prof. Madya Ir. Ts. Dr. Jasrul Jamani Jamian
Universiti Teknologi Malaysia

Mr. Sudhibhumi Pumhiran
Nuovo Plus Company Ltd.

Mr. Ricky Cahya Andrian, PT PLN (Persero), Indonesia

Mr. Forest Tu
SynVista Energy Holdings Pte Ltd.

Mr. Ricky Cahya Andrian
VP Decarbonization Business Development, PT PLN (Persero), Indonesia

Mr. Ricky Cahya Andrian is an Electrical Engineer in PLN State Owned electric Company of Indonesia, with an experience over 20 years in the planning and operational Power System, operational and maintenance HV Substation System. Now he has been closely to Green Hydrogen Production, Storage, Distribution and utilization in Indonesia. He joined Indonesia Fuel Cell Hydrogen Energy (IFHE). Mr Ricky Cahya Andrian is the one who makes PLN being a leader in Green Hydrogen Ecosystem in Indonesia. He is also a Chairman for Smart Energy Society Indonesia

Mr. Forest Tu
CEO, SynVista Energy Holdings Pte Ltd.

Forest Feng Tu, the founding partner and CEO of SynVista, is a remarkable figure in the new energy industry. He was formerly the VP of Sales & Marketing at CATL. As a council member of Tsinghua University's Carbon Neutrality Council, he has long been committed to new energy market research and helping new energy enterprises expand overseas. With rich market analysis and practical experience, Tu often shares valuable insights on new energy trends and the challenges of going global, playing a crucial role in promoting the international development of China's new energy industry.

Note:

Panel Discussion III

11:15

Beyond the Battery: Innovation in ASEAN for Grid-scale Storage Systems

MODERATOR

Dr. Derrick Fam
Singapore Battery Consortium (SBC)

Prof. Madya Ir. Ts. Dr. Jasrul Jamani Jamian
Universiti Teknologi Malaysia

Mr. Sudhibhumi Pumhiran
Nuovo Plus Company Ltd.

Mr. Ricky Cahya Andrian, PT PLN (Persero), Indonesia

Mr. Forest Tu
SynVista Energy Holdings Pte Ltd.

Note:

MODERATOR

Dr. Derrick Fam
Singapore Battery Consortium (SBC)

Asst. Prof. Derrick Fam obtained his Bachelor of Engineering and Doctorate from the School of Materials Science and Engineering (MSE), NTU, in 2006 and 2012, respectively. In 2013, he was awarded the A*STAR International Fellowship (A*IF) and did his postdoctoral research in Imperial College London in 2014, working on structural supercapacitors. In 2016, he returned to Singapore and joined the Institute of Materials Research and Engineering, A*STAR. In 2021, he joined the School of Materials Science and Engineering, Nanyang Technological University as an adjunct faculty.

He lectures on high throughput methods for materials discovery, basic electrochemistry, and energy storage. He is currently serving as the Programme Director for the Structural Power for portable and electrified transportation (AME programme) that is focused on developing structural solid-state batteries for various applications. He is also serving as the Deputy Director for the Singapore Battery Consortium looking into catalysing private-public partnerships through innovative research collaborative efforts in the battery field.

Panel Discussion IV

14:45

Balancing Power and Protection: What's Next in Battery Safety?

MODERATOR

Dr. Sing Yang Chiam
Singapore Battery Consortium, (ASEAN Battery Safety Network)

Mr. Kolin Low
UL Standard and Engagement

Prof. Zhang Yuegang
Montavista Energy Technologies Corporation (Anhui)

Dr Hang Seng Che,
EV Connection, Malaysia

Dr. Zhang Bo
Concord New Energy

Mr. Visanu Pipatkulchai
EGAT

Mr. Kolin Low
Regional Director,
UL Standard and Engagement

Mr. Kolin Low is the Regional Director of UL Standards & Engagement (ULSE), a not-for-profit organization that develops international standards across sectors including batteries, fire safety, sustainability, and autonomous products. He leads a team responsible for ASEAN, Japan, Korea, Australasia, and the Middle East, advancing ULSE's mission to create a safer world through partnerships, standardization, and capacity building.

Previously, he served as Regional Manager at the International Organization for Standardization (ISO), where he established the ISO Regional Engagement Initiative in Singapore. Earlier in his career, he held senior roles at Enterprise Singapore, focusing on standards, quality, accreditation, and trade policy. He holds a B.Sc. in Electronics Engineering from Nanyang Technological University, Singapore.

Prof. Zhang Yuegang
CEO & Founder,
Montavista Energy Technologies Corporation (Anhui)

Prof. Zhang Yuegang, a physicist and materials scientist, received his Ph.D. in Materials Science from the University of Tokyo in 1996. He began his career developing carbon nanotubes and later advanced lithium–sulfur battery research at Lawrence Berkeley National Laboratory, where he pioneered high-performance sulfur cathodes. His work on in situ solid electrolyte formation has significantly improved all-solid-state lithium–sulfur batteries.

In 2016, after returning to China, he founded Monta Vista Energy Technologies in Suzhou, focusing on commercializing innovative battery systems for drones, electric vehicles, and large-scale energy storage. Prof. Zhang also serves at the Department of Physics, Tsinghua University, continuing to drive progress in next-generation energy storage.

Note:

Panelist Profiles

Day 2 Afternoon | 28th August 2025

BATTERY SAFETY

Panel Discussion IV

14:45

Balancing Power and Protection: What's Next in Battery Safety?

MODERATOR

Dr. Sing Yang Chiam
Singapore Battery Consortium, (ASEAN Battery Safety Network)

Mr. Kolin Low
UL Standard and Engagement

Prof. Zhang Yuegang
Montavista Energy Technologies Corporation (Anhui)

Dr Hang Seng Che,
EV Connection, Malaysia

Dr. Zhang Bo
Concord New Energy

Mr. Visanu Pipatkulchai
EGAT

Dr. Hang Seng Che
Technical Director,
EV Connection,
Malaysia

Dr. Che received his B.Eng. (First Class Honors) in Electrical Engineering from the University of Malaya in 2009 and a Ph.D. in 2013 under a dual program with Liverpool John Moores University, UK. From 2014–2022, he served as Senior Lecturer at the University of Malaya, leading research in electric motors, drives, and renewable energy applications. Since 2022, he has been the Technical Director at EV Connection Sdn Bhd, where he leads the development of EV charger management systems, smart charging, and energy storage solutions.

An accomplished researcher with over 80 publications and an h-index of 25, Dr. Che is also a Senior Member of IEEE and has contributed widely to energy and e-mobility projects in Malaysia and the region.

Dr. Zhang Bo
Managing Director,
Concord New Energy Research Center

Dr. Zhang Bo is the Managing Director of Concord New Energy, a leading clean energy company in China. With extensive expertise in renewable energy and energy storage, he has overseen the development and deployment of wind, solar, and integrated storage projects that contribute to China's low-carbon transition.

Dr. Zhang plays a key role in advancing grid integration and battery system safety, focusing on ensuring reliable and sustainable clean power solutions. Under his leadership, Concord New Energy has expanded its portfolio across multiple regions, delivering innovative energy solutions that meet the needs of both utility-scale and industrial clients while supporting global decarbonization goals.

Note:

Panel Discussion IV

14:45

Balancing Power and Protection: What's Next in Battery Safety?

MODERATOR

Dr. Sing Yang Chiam
Singapore Battery Consortium, (ASEAN Battery Safety Network)

Mr. Kolin Low
UL Standard and Engagement

Prof. Zhang Yuegang
Montavista Energy Technologies Corporation (Anhui)

Dr Hang Seng Che,
EV Connection, Malaysia

Dr. Zhang Bo
Concord New Energy

Mr. Visanu Pipatkulchai
EGAT

Mr. Visanu Pipatkulchai
Engineer Level 9,
Hydro and Renewable Energy Power Plant Development Division,
EGAT

Mr. Visanu Pipatkulchai currently hold position Chief, Electrical System and Control System Engineering Project Department. His current focus is on development of projects in line with Thailand's Power Development Plan (PDP2018 Revision1). The project under the PDP2018 rev.1 which aims to achieve carbon neutrality by 2050 and net zero emissions by or before 2065.

In his previous role, Mr. Visanu served as Chief of Engineering and Power Plant Installation Project Department, where development of the Ubolratana Dam Hydro-Floating Solar Hybrid Power Plant Phase I. This pilot project integrates three clean energy sources – Floating solar power, Hydropower, and a Battery Energy Storage System (BESS). The BESS play a role in supporting electricity generation to enhance stability of Hybrid energy generation, which enables more power and longer supply.

At the 3rd ASEAN Battery Technology Conference 2025, Mr. Visanu will participate as a panelist, to share his experience on the topic "Safety of Battery & EV charging Ecosystem" with a particular focus on grid-scale implementation.

MODERATOR

Dr. Sing Yang Chiam
Singapore Battery Consortium,
ASEAN Battery Safety Network

Dr. Chiam Sing Yang is currently the Deputy Executive Director of Institute of Materials Research and Engineering, a research institute with the Agency for Science, Technology and Research in Singapore. He is also the current Technical Director of the Singapore Battery Consortium.

He is appointed the Deputy Executive Director of IMRE from December 2020. IMRE is a leading materials research institute in Singapore with over 300 research scientist and engineers that focus both on cutting edge science and translation efforts. Dr. Chiam was also the founding director for the Singapore Battery Consortium, currently with >90 industry and >60 academic members, where he now serves as the Technical Director.

Dr. Chiam was previously Adjunct Assistant Professor at Nanyang Technological University from 2012-2019, and also Technology and Research Consultant for National Electric Vehicle Centre (NEVC) at Land Transport Authority (LTA) from 2021-2023. He contributes actively in battery related activities across Singapore and the region.

Panelist Profiles

Day 3 Morning | 29th August 2025

BATTERY SUPPLY CHAIN AND CIRCULARITY

Panel Discussion V

09:20

Closing the Loop: Circularity, Battery Passport & Material Supply Chain

MODERATOR

Mr. Aloysius Lim Qing Rong
Circulor, UK

Ms. Kornwika Chaiprateep
SK TES,
Thailand

Mr. Tengku Kahar Muzaffar Bin Tengku Mohd Yusof Anuar
NanoMalaysia

Prof. Dr. rer. nat. Evvy Kartini
National Battery Research Institute,
Indonesia

Dr. Gavin Collis
CSIRO,
Australia

Mrs. Rangsinee Prakij
EGAT,
Thailand

Mr. Erik Foppen
Schneider Electric

Ms. Kornwika Chaiprateep
SK TES,
Thailand

Kornwika Chaiprateep, nickname is Pan. 18 Years experienced in E-Waste Recycling & Li-ion Battery Recycling and IT Asset Disposition (ITAD) to provide the Data Destruction & Assets Recovery and E-commerce business in Thailand. She has worked in various roles in the organization, included Head of Business Development , Head of EHS, Head of Operation and Head of ITAD and Ecommerce.

Today Kornwika is a Deputy Managing Director of SK tes Thailand. SK tes is the global leader in managed deployment, IT Asset Disposition (ITAD), E-waste Recycling and Li-ion Battery Recycling for sustainable technology lifecycle services.

Mr. Tengku Kahar Muzaffar Bin Tengku Mohd Yusof Anuar
Vice President of Strategy and Special Projects of NanoMalaysia,
ASEAN Battery Safety Network

Ir. Tengku Kahar was appointed as Vice President, Strategy in January 2024. He is an active member involved in leading various consortium and associations that NMB was involved in such as the Swappable Battery System Consortium, ASEAN Battery Network, Malaysia Nanotechnology Industrial Group (MNIG), and Malaysia Hydrogen Industry Alliance (MHIA). He also initiated new battery development training programmes for the Hydrogen – EV - Battery Centre (HEBATT) to fulfil its role as a Centre of Excellence. Prior, he held the position of Vice President of Special Projects Office.

Under his care, a number of major R&D project works were completed involving hydrogen technologies and EV's especially related to energy storage. He led the development of a white paper to convert ICE to EV that was approved by the Government in 2023 for JPJ and MOT to adopt. Prior to joining NMB, he was with the Ministry of Transport in the Strategic Planning and International Division, transferred after the dissolution of the Land Public Transport Commission (SPAD) in 2018.

Panelist Profiles

Day 3 Morning | 29th August 2025

BATTERY SUPPLY CHAIN AND CIRCULARITY

Panel Discussion V

09:20

Closing the Loop: Circularity, Battery Passport & Material Supply Chain

MODERATOR

Mr. Aloysius Lim Qing Rong
Circulor, UK

Ms. Kornwika Chaiprateep
SK TES,
Thailand

Mr. Tengku Kahar Muzaffar Bin Tengku Mohd Yusof Anuar
NanoMalaysia

Prof. Dr. rer. nat. Evvy Kartini
National Battery Research Institute,
Indonesia

Dr. Gavin Collis
CSIRO,
Australia

Mrs. Rangsinee Prakij
EGAT,
Thailand

Mr. Erik Foppen
Schneider Electric

Prof. Dr. rer. nat. Evvy Kartini
National Battery Research Institute,
Indonesia

I am the Founder of the National Battery Research Institute (NBRI) Research Professor at National Research and Innovation Agency (BRIN), and President of both the Indonesian Neutron Scattering Society (INSS) and Material Research Society Indonesia (MRS-INA). As a Research Professor at BRIN, I specialize in neutron scattering, solid-state ionics, and lithium-ion battery research, with a strong international reputation. I also serve on the executive committees of AONSA, the Asian Society of Solid State Ionics, and the International Society of Solid State Ionics.

Dr. Gavin Collis
CSIRO,
Australia

Dr. Gavin Collis is a Senior Research Scientist at CSIRO, Australia, specializing in advanced battery materials, circular economy approaches, and resource sustainability. His work focuses on developing new pathways for recycling and reusing critical minerals essential for lithium-ion and next-generation batteries. With a background in chemistry and materials science, Dr. Collis has contributed to international collaborations supporting the establishment of sustainable battery supply chains across the Asia-Pacific region. At CSIRO, he plays a leading role in projects that address both technological challenges and policy frameworks, ensuring that battery development aligns with environmental and industrial needs while strengthening Australia's position in the global energy transition.

Note:

Panel Discussion V

09:20

Closing the Loop: Circularity, Battery Passport & Material Supply Chain

MODERATOR

Mr. Aloysius Lim Qing Rong
Circulor, UK

Ms. Kornwika Chaiprateep
SK TES,
Thailand

Mr. Tengku Kahar Muzaffar Bin Tengku Mohd Yusof Anuar
NanoMalaysia

Prof. Dr. rer. nat. Evvy Kartini
National Battery Research Institute,
Indonesia

Dr. Gavin Collis
CSIRO,
Australia

Mrs. Rangsinee Prakij
EGAT,
Thailand

Mr. Erik Foppen
Schneider Electric

Mrs. Rangsinee Prakij
Director,
Business Development Division,
Electricity Generating Authority of Thailand (EGAT)

Mrs. Rangsinee Prakij currently serves as the Director of the Business Development Division at EGAT, where she plays a leading role in advancing energy-related business initiatives and managing EGAT's investment portfolios. Her work emphasizes fostering collaboration with strategic partners, strengthening ties among EGAT's affiliates, and identifying new investment opportunities.

Under her supervision, the division has initiated a study on the management of used EV batteries, exploring feasible and innovative methods to utilize and manage used EV batteries. This effort aims to unlock new business opportunities for the EGAT Group while supporting sustainable practices. Mrs. Rangsinee has also actively contributed to various panel discussions, sharing her expertise on battery management strategies that align with circular economy principles.

At the 3rd ASEAN Battery Technology Conference 2025, Mrs. Rangsinee will participate as a panelist, offering her insights on the topic "Circularity, Battery Passport, and Material Supply Chain."

Mr. Erik Foppen
Regional Segment Leader Battery (APAC) International Operations,
Schneider Electric

Erik is Regional Segment Leader for Battery Manufacturing in APAC at Schneider Electric. He focuses on bridging energy and process technology for efficient and sustainable battery manufacturing, recycling, and active material processing. Schneider Electric delivers scalable and interoperable automation and data management across the battery manufacturing value chain.

He has been with Schneider Electric for over 6 years and has been in the APAC region for 10+ years. Prior to his current role, he served as a Business Development Director looking after Strategy and the New Energy Landscape (including software deployment and EV Charging).

Panel Discussion V

09:20

Closing the Loop: Circularity, Battery Passport & Material Supply Chain

MODERATOR

Mr. Aloysius Lim Qing Rong
Circulor, UK

Ms. Kornwika Chaiprateep
SK TES,
Thailand

Mr. Tengku Kahar Muzaffar Bin Tengku Mohd Yusof Anuar
NanoMalaysia

Prof. Dr. rer. nat. Evvy Kartini
National Battery Research Institute,
Indonesia

Dr. Gavin Collis
CSIRO,
Australia

Mrs. Rangsinee Prakij
EGAT,
Thailand

Mr. Erik Foppen
Schneider Electric

Note:

MODERATOR

Mr. Aloysius Lim Qing Rong
Client Partner,
Circulor, UK

Aloysius is a Client Partner at Circulor, responsible for sales and business development in the Asia-Pacific region. He has over 10 years of international experience in business development and consulting, and for the past 7 years, has lead internationalisation efforts for technology firms in the Asia-Pacific region.

A passionate and insightful speaker, Aloysius brings his wealth of knowledge in the topics of sustainability, global supply chains and regulations. He is a regular speaker at events in Asia-Pacific on the changing regulatory landscape for the clean energy industry, and the critical role that traceability and digital product passports will play in enabling the green transition

Panelist Profiles

Day 3 Morning | 29th August 2025

BATTERY SUPPLY CHAIN AND CIRCULARITY

Panel Discussion VI

11:30

Supply Chain Synergy Enabling Battery Swapping in Asean

MODERATOR

Dr. Rezal Khairi Ahmad
NanoMalaysia

Mr. Deric Lee
Amphenol Communications Solutions

Dr. Rujiroj Leelaruji
Bangchak PCL, Thailand

Mr. Muhammad Firmansyah
PT Infiniti Energi Indonesia; NBRI

Dr. Jose Bienvenido Manuel M. Biona
Electric Vehicle Association Philippines (EVAP)

Mr. Thanat Thumpomkul
EM Motor Co. Ltd., Thailand

Mr. Deric Lee
Senior Distribution Manager,
Amphenol Communications Solutions

Mr. Deric Lee is the Senior Distribution Manager at Amphenol Communications Solutions, where he leads distribution strategy and regional partnerships for e-mobility and advanced connectivity solutions. With a strong background in business development and supply chain management, he has contributed to expanding Amphenol's footprint in the fast-growing electric vehicle ecosystem. Mr. Lee's expertise lies in connector standardization and integration, enabling more efficient and scalable EV charging and battery-swapping systems. By working closely with OEMs, technology partners, and regulators, he plays a vital role in supporting the adoption of next-generation mobility solutions across ASEAN and beyond, helping to accelerate the transition toward sustainable transportation.

Dr. Rujiroj Leelaruji
Bangchak PCL, Thailand

Dr. Rujiroj Leelaruji is Vice President – Commercial and Technical Advisor at Bangchak Corporation PCL, the company that has transformed from originally an oil refining and retail business into a green energy and sustainability-focused corporation. Dr. Rujiroj has worked is an energy industry specializing in renewable energy, battery storage, and advanced energy solutions. Currently, his focus is on lithium carbonate trading and raw material sourcing where his long-term objective is to bridge gaps across the battery value chain — from upstream materials to downstream battery storage applications. With his technical insight and extensive experience in project development, technology integration, and strategic partnerships, he has played a vital role in advancing clean energy initiatives in Thailand and across the region.

Note:

Panelist Profiles

Day 3 Morning | 29th August 2025

BATTERY SUPPLY CHAIN AND CIRCULARITY

Panel Discussion VI

11:30

Supply Chain Synergy Enabling Battery Swapping in Asean

MODERATOR
Dr. Rezal Khairi Ahmad
NanoMalaysia

Mr. Deric Lee
Amphenol Communications Solutions

Dr. Rujiroj Leelaruji
Bangchak PCL, Thailand

Mr. Muhammad Firmansyah
PT Infiniti Energi Indonesia; NBRI

Dr. Jose Bienvenido Manuel M. Biona
Electric Vehicle Association Philippines (EVAP)

Mr. Thanat Thumpomkul
EM Motor Co. Ltd., Thailand

Mr. Muhammad Firmansyah
CEO,
PT Infiniti Energi Indonesia;

Program Director,
NBRI

Mr. Muhammad Firmansyah is a visionary leader in energy, battery technology, and laboratory instrumentation, with a Bachelor's in Business Administration from Padjajaran University and an MBA from IPMI International Business School. He is the CEO of PT Infiniti Energi Indonesia, driving innovation in green and safe energy solutions under the INFIEN POWER brand, positioning the company as a key player in Indonesia's sustainable energy transition.

As Program Director of the National Battery Research Institute (NBRI), he spearheads research and skills development to advance battery innovation and sustainability. He also serves as Head of Sales at PT Carsurin Tbk, Commissioner at PT Sarana Laboratorium Instrumentasi, and Executive Director at Id Battery, fostering collaboration, commercialization, and ecosystem growth in Indonesia's battery sector.

Dr. Jose Bienvenido Manuel M. Biona
Executive Director,
Electric Vehicle Association Philippines (EVAP)

Dr. Jose Bienvenido Manuel M. Biona is the Executive Director of the Electric Vehicle Association of the Philippines and a Full Professor of Mechanical Engineering at De La Salle University, where he also serves as the founding Executive Director of the Enrique Razon Jr. Logistics Institute. He has led EV policy and technology reviews that shaped the Electric Vehicle Industry Development Act and guided the Comprehensive Roadmap for EV Industry Development.

Currently, he is Senior Technical Advisor for the Department of Trade and Industry–UNIDO project on scaling electric mobility, covering electric jeepneys, motorcycles, battery production, and EV-related electronics and software. Dr. Biona has worked with numerous agencies and organizations, including DOE, DoTr, DTI, DENR, DOT, World Bank, UNDP, UNIDO, ADB, USAID, and GIZ, and has led EV-related projects across Asia, the Middle East, and the Pacific. He also sits on the boards of several clean transport start-ups.

Panel Discussion VI

11:30

Supply Chain Synergy Enabling Battery Swapping in Asean

MODERATOR

Dr. Rezal Khairi Ahmad
NanoMalaysia

Mr. Deric Lee
Amphenol Communications Solutions

Dr. Rujiroj Leelaruji
Bangchak PCL, Thailand

Mr. Muhammad Firmansyah
PT Infiniti Energi Indonesia; NBRI

Dr. Jose Bienvenido Manuel M. Biona
Electric Vehicle Association Philippines (EVAP)

Mr. Thanat Thumpomkul
EM Motor Co. Ltd., Thailand

Mr. Thanat Thumpomkul
Managing Director,
EM Motor Co. Ltd.,
Thailand

Mr. Thanat Thumpomkul is the Managing Director of EM Motor Co. Ltd., a Thai company specializing in small electric vehicles and two-wheelers for Thailand and ASEAN markets. Under his leadership, EM Motor has become a local leader in the fast-growing e-mobility sector, helping advance Thailand's ambitions to be a regional hub for sustainable transportation technologies.

In addition, Mr. Thanat is the founder and CEO of two self-funded startups, Ideacube Co., Ltd. and Life's Moving Co., Ltd., focusing on new product development and product localization for emerging markets. Passionate about innovation, he thrives on tackling challenges others see as "too difficult" or "almost impossible." He also serves as a Committee Member of TESTA and Chair of Working Group 1, promoting policies to support battery manufacturing, usage, and investment in Thailand.

MODERATOR

Dr. Rezal Khairi Bin Ahmad
CEO,
NanoMalaysia

Dr. Rezal Khairi Ahmad is the Chief Executive Officer of NanoMalaysia Bhd. since June 2013. He possesses a PhD. in Nanotechnology, Electronic/Electrical Engineering from London Centre for Nanotechnology, University College London and Master's degree in Electrical Engineering from Tenaga Nasional University. He is an Adjunct Professor of Universiti Teknologi Malaysia.

Recently, Dr. Rezal has been designated as the President of Asia Nano Forum for the term 2024-2026. Under his tenure, Dr. Rezal has successfully crafted the company structure and developed the business model and corporate positioning strategy relative to similar-minded government agencies and relevant industries. His current endeavours include Energy Storage, Renewables, Electric Vehicles, Hydrogen Economy and Biomass innovation. With his vast knowledge on technology and business and experience in hydrogen economy from involvement in projects, Rezal Khairi plays an important role by becoming the lead author as well as the Chief Consultant together with a group of authors on the H.E.T.R. (Hydrogen Economy Technology Roadmap) to the Malaysian government. He plays a leadership role in the 'Build Some' part of the 'Build Some Buy Some' principle of H.E.T.R. covering electrolyzer, solid state hydrogen storage and catalysts

Panelist Profiles

Day 3 Afternoon | 29th August 2025

MARKET & FINANCE

Panel Discussion VII

13:50

From Capital to Kilowatts: Financing Battery Industries in the ASEAN Region

MODERATOR

Mr. Spencer Liu
Riverwood Climate Solutions

Mr. Shaw Jia Hong
Elev8.vc

Mr. Aung Shin Thant
YCP

Dr. Wichai Narongwanich
Corporate Strategy and Innovation at Kasikorn Bank, Thailand

Mr. Samuel Chia
Siemens Financial Services

Ms. Sooksiri Chamsuk
UNIDO, Thailand

Mr. Shaw Jia Hong
Chief of Ignite,
Elev8.vc

Mr. Shaw Jia Hong is the Head of Ignite at Elev8, a venture-building platform under Elev8 that focuses on supporting deep technology and sustainability-driven startups. In his role, he leads programs that nurture early-stage companies, helping them transform breakthrough ideas into scalable businesses. His expertise spans venture creation, product-market fit, and growth strategy, with a strong focus on clean energy, electrification, and emerging technologies.

With extensive experience in entrepreneurship and investment, Mr. Shaw works closely with founders and industry partners to build innovation ecosystems that address global challenges. Under his leadership, Elev8 Ignite empowers startups to accelerate commercialization, attract strategic partnerships, and contribute to advancing sustainable technology solutions across Asia and beyond.

Mr. Aung Shin Thant
Director,
YCP

Shin Thant is a Director with over a decade of experience across ASEAN, advising clients in diverse sectors including automotive, banking, construction, consumer goods, energy, financial services, healthcare, insurance, and technology. He has successfully led more than 50 projects across multiple countries in Asia and beyond. His expertise spans market analysis, strategy development, competitive intelligence, valuation, and due diligence, supporting multinational corporations and conglomerates in market entry, expansion, and business transformation initiatives.

In the Electric Vehicle (EV) and Energy Storage Systems (ESS) sectors, Shin specializes in strategic positioning, technology landscape assessment, and supply chain analysis, with a focus on the implications of U.S.–China policy dynamics. He has deep understanding on global demand–supply trends for raw materials and their impact on EV battery and ESS manufacturing.

Prior to joining YCP, Shin began his career at a Big Four professional services firm, delivering financial advisory solutions to multinational corporations, international institutions, and domestic enterprises. He holds dual degrees in Mechatronics Engineering from Yangon Technological University and Applied Accounting from Oxford Brookes University.

Panelist Profiles

Day 3 Afternoon | 29th August 2025

MARKET & FINANCE

Panel Discussion VII

13:50

From Capital to Kilowatts: Financing Battery Industries in the ASEAN Region

MODERATOR

Mr. Spencer Liu
Riverwood Climate Solutions

Mr. Shaw Jia Hong
Elev8.vc

Mr. Aung Shin Thant
YCP

Dr. Wichai Narongwanich
Corporate Strategy and Innovation at Kasikorn Bank, Thailand

Mr. Samuel Chia
Siemens Financial Services

Ms. Sooksiri Chamsuk
UNIDO, Thailand

Dr. Wichai Narongwanich
First Senior Vice President,
Corporate Strategy and Innovation at Kasikorn Bank,
Thailand

Dr. Wichai Narongwanich is the First Senior Vice President of Corporate Strategy and Innovation at Kasikorn Bank (KBank), Thailand, where he leads initiatives in corporate strategy, innovation, and sustainable finance. With a strong background in technical engineering, economics and finance, he has spearheaded programs that promote green financing, renewable energy investment, and climate-related risk management.

Dr. Wichai plays an important role in shaping KBank's sustainability agenda, ensuring that financial services align with Thailand's transition to a low-carbon economy. His leadership in innovation and investment strategy has positioned Kasikorn Bank as a regional leader in financing clean energy projects and new technologies, enabling businesses and communities to thrive sustainably.

Mr. Samuel Chia
Equity Investment Manager,
Siemens Financial Services

Samuel serves as Equity Investment Manager at Siemens Financial Services, focusing on strategic investments across the battery sector. With 10 years of experience spanning infrastructure, energy, and battery technologies, he combines financial expertise with technical knowledge of battery manufacturing and advanced technologies.

At Siemens, Samuel evaluates high-potential battery investments while helping bridge funding gaps for critical energy transition projects and his cross-sector background provides valuable insights on manufacturing scale-up, supply chain optimization, and technology commercialization pathways.

Note:

Panel Discussion VII

13:50

From Capital to Kilowatts: Financing Battery Industries in the ASEAN Region

MODERATOR

Mr. Spencer Liu
Riverwood Climate Solutions

Mr. Shaw Jia Hong
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Corporate Strategy and Innovation at Kasikorn Bank, Thailand

Mr. Samuel Chia
Siemens Financial Services

Ms. Sooksiri Chamsuk
UNIDO, Thailand

Ms. Sooksiri Chamsuk
Deputy Representative,
Regional Hub in Thailand,
UNIDO

Ms. Sooksiri Chamsuk has been with the UNIDO Regional Office in Thailand since 2008, serving as a Regional Programme Officer and, since 2020, as Deputy Representative. She engages with the United Nations Country Team and designs projects for resource mobilization, working closely with partners such as UNESCAP and UNDG. Her portfolio covers the SDGs, clean energy, green industry, climate change, and sustainable development across Cambodia, Lao PDR, Malaysia, Myanmar, and Thailand.

Prior to UNIDO, she worked with the UNDP Regional Centre in Bangkok. Ms. Chamsuk holds degrees in Mechanical Engineering and Energy for Sustainable Development, equipping her with both technical expertise and policy insight to advance inclusive and sustainable industrial development in the region.

MODERATOR

Mr. Spencer Liu
Founder & MD.,
Riverwood Climate Solutions

Spencer Liu is a climate-focused venture builder, advisor, and strategist. As Founder & Managing Director of Riverwood Climate Solutions, Spencer advises corporations and startups across Asia on climate technologies, specializing in strategy, growth, and business building in the climate technologies domain.

He has worked with 30+ organizations across industrials, transportation, energy, and private equity sectors, and advised on multiple ventures in batteries, energy storage, hydrogen, sustainable fuels, and carbon management. Prior to his current roles, Spencer spent eight years at McKinsey, where he co-led the sustainability and green business building service lines in Greater China as an Associate Partner. Spencer is a CFA charterholder and a CESGA holder.

Note:

AI and Machine Learning in Battery Manufacturing

14:00

Ms. Wang Shirui
Product Manager, Siemens Pte Ltd

Shirui is a Product Manager within the Siemens Battery Solutions team, where she plays a pivotal role in driving innovation and efficiency across global battery manufacturing ecosystems. She collaborates closely with leading battery producers worldwide, working to address some of their most critical challenges—particularly in the electrode production stage, a cornerstone of cell performance and cost.

With a strong focus on digitalization, automation, and process optimization, Shirui bridges the gap between customer needs and Siemens' advanced technology offerings. Her expertise enables battery manufacturers to overcome production bottlenecks, enhance coating precision, and improve throughput, contributing to the development of high-performance, scalable, and sustainable energy storage solutions.

Through her work, Shirui helps shape the future of battery manufacturing, supporting the global transition to e-mobility and renewable energy.

Thinking on the Development of Sodium Ion Batteries and Solid-SIB for Energy Storage Systems

14:20

Dr. Kent Jian Tu
Chairman, Li-Fun Technology Co., Ltd.;
Founder, NatFound Technology, Ltd.

Dr. Kent Jian Tu is the Chairman of Li-Fun Technology Co., Ltd. and founder of NatFound Technology, Ltd., specializing in blade-type sodium-ion batteries for vehicles and energy storage. He earned his Ph.D. in Materials Science from Zhejiang University in 2006, focusing on cathode material innovation. Dr. Tu began his career as one of the earliest Ph.D. engineers at Amperex Technology Limited (ATL, now CATL), serving as a Principal Engineer.

With over 20 years of R&D experience in lithium, sodium-ion, and high-safety solid-state batteries, he has filed more than 100 patent applications with over 40 authorized invention patents. He has been recognized under the Ten Thousand Talents Plan and as a Leading Talent in Innovation and Entrepreneurship by China's Ministry of Science and Technology.

Note:

14:40 Ultra Safe Solid-State Battery to Avoid Battery Thermal-Propagation

Dr. Dou Xi
Hytzer Energy Co., Ltd, China

Dr. Xi DOU is the CEO & Co-founder of Hytzer Energy, a start-up commercializing next-generation solid-state battery technology developed over 15 years from the Chinese Academy of Sciences. He envisions Hytzer Energy to bring high-performance and highly safe energy storage solutions to daily life, facilitating the "Net-0" energy transition.

Prior to founding Hytzer Energy, he served as strategic technology analyst at bp in London. Whereas he overlooked various emerging technologies and business models associated with energy transition, specializing in digital energy, future power grid systems, Energy as a Service, solid-state battery, and many other different battery storage technologies. He also held research scientist roles in material innovation in Germany, the Netherlands and Singapore at the centre research divisions of Bayer, DSM, and BASF.

He holds a master's degree in Chemistry of Materials and a Doctorate in Organic Chemistry from Johannes-Gutenberg University at Mainz and Max Planck Institute for Polymer Research at Mainz, as well as an MBA degree from INSEAD, France.

15:30 The Path to ASEAN e-Mobility Leadership Starts with Innovation, Not Imitation

Mr. Naoki Ota
CEO, 24M Technologies, USA

Naoki Ota is a recognized global expert in lithium-ion batteries with 26 years experiences in lithium ion industries. Naoki co-founded Quallion to serve the medical and aerospace industries. As CTO and COO of Enel and President and COO at Ener1, Naoki led the HEV, PHEV, EV and grid storage product lines and manufacturing factory operations in US, Korea and China.

Note:

15:50

Powering the Future: High-Energy Battery Innovation and Application Safety

Prof. Zhang Yuegang
CEO & Founder of Montavista Energy Technologies Corporation (Anhui)

Prof. Zhang Yuegang, a physicist and materials scientist, received his Ph.D. in Materials Science from the University of Tokyo in 1996. He began his career developing carbon nanotubes and later advanced lithium–sulfur battery research at Lawrence Berkeley National Laboratory, where he pioneered high-performance sulfur cathodes.

His work on in situ solid electrolyte formation has significantly improved all-solid-state lithium–sulfur batteries. In 2016, after returning to China, he founded Monta Vista Energy Technologies in Suzhou, focusing on commercializing innovative battery systems for drones, electric vehicles, and large-scale energy storage. Prof. Zhang also serves at the Department of Physics, Tsinghua University, continuing to drive progress in next-generation energy storage.

Note:

09:40 Thailand Grid Management: Battery Solution

Mr. Warit Rattanachuen
Assistant Governor,
Electricity Generating Authority of Thailand (EGAT)

Mr. Warit Rattanachuen is a leading figure in Thailand's energy innovation landscape, currently serving as Assistant Governor at EGAT. With a strong background in engineering and strategic energy development, he has been instrumental in steering EGAT's initiatives in battery energy storage system and clean energy solutions.

Mr. Warit has overseen the deployment of Battery Energy Storage Systems (BESS) to enhance grid stability and support renewable energy integration. He also advocates for second-life battery applications, exploring innovative ways to repurpose used EV batteries for stationary storage, thereby extending their life cycle and reducing environmental impact.

Under his leadership, EGAT has launched pilot programs for used battery management, focusing on safe disposal, reuse, and recycling strategies aligned with circular economy principles. These efforts are part of EGAT's broader commitment to achieving carbon neutrality goal and promoting the most suitable used battery management approach for the country.

His participation in the 3rd ASEAN Battery Technology Conference 2025 highlights his dedication to regional collaboration and advancing energy storage technologies for a resilient and low-carbon future.

10:15 Bringing a Critical but Forgotten Component in BESS Systems Back into Spotlight

Mr. Alex Pan
Commercial Director, Green Tenaga

Alex is the Commercial Director at Green Tenaga, with over 15 years of experience in sales and services across motion control, energy-efficient drive technologies, and Battery Energy Storage Systems (BESS). He is recognized for leading high-impact techno-commercial conversations in the Battery Energy Storage Systems (BESS) space—delivering solutions that enhance system efficiency, operational safety, and long-term sustainability.

As a passionate safety leader, Alex integrates risk-aware thinking into every stage of the BESS lifecycle—from design and deployment to operation and decommissioning—ensuring that performance gains never come at the expense of safety or compliance.He is also an advocate for industry best practices, regulatory alignment, and responsible innovation in energy storage, with a focus on protecting people, critical assets, and the environment while enabling the energy transition. Connect with Alex to discover how innovation, safety, and sustainability can shape the future of your business.

Note:

10:35 Energy Storage System Deployment Plans and Ecosystem in Malaysia

Dr. Nofri Yenita Dahlan
Director of UiTM Solar Research Institute
Universiti Teknologi MARA (UiTM) Shah Alam, Malaysia

Dr. Nofri Yenita Dahlan is a Professor in the School of Electrical Engineering, Universiti Teknologi MARA (UiTM) Shah Alam, Malaysia. Currently, she serves as the Director of UiTM Solar Research Institute (SRI). She received Electrical Engineering Degree, B. Eng (Honors) from Universiti Tenaga National (UNITEN) Malaysia in 2001, M.Sc. from the University of Manchester Institute of Science and Technology (UMIST), UK in 2003, and a Ph.D. from the University of Manchester, UK, in 2011.

Her research interest has focused on power generation investment, energy economics and policy, electricity market, energy modelling, renewable energy, energy savings and efficiency. In recognition for her achievements in the fields, she has been awarded a Certified Measurement and Verification Professional (CMVP) in 2014 from the Efficiency Valuation Organization (EVO) and Association of Energy Engineers (AEE), U.S. She also served as policy consultant for United Nation Industrial Development Organisation (UNIDO) Malaysia Energy Efficiency and Solar Thermal Application (MAEESTA) Project. In this exercise, she developed a policy brief titled "Solar Thermal Deployment Strategy for Malaysian Industries" and led the development of three energy efficiency and conservation guidelines for Energy Commission Malaysia. In rural electrification related project, she has partnered with researchers from the United Kingdom to conduct a research project titled "Facilitating a Just, Fair, and Affordable Energy Transition in the Asia-Pacific" for addressing energy justice dimensions of rural electrification, techno-economic analysis of different business models and policy implications of these combined findings through stakeholder workshops.

In 2021, she has been featured as a Women Leaders in Energy and Environment by the Young Southeast Asia Leaders Initiative (YSEALI) Women's Leadership Academy Alumni Network, and in 2023 as an honorable mention for the 2023 Underwriters Laboratories–ASEAN–U.S. Science Prize for Women. Ir. Dr. Nofri Yenita Dahlan is a Nonresident Fellow at the National Bureau of Asian Research (NBR).

10:55 Grid-Forming ESS: The Powering of the World's Largest 100% Renewable City

Mr. Patipan Kalvibool
Chief Technology Officer, Huawei Digital Power Thailand

Mr. Patipan Kalvibool is an expert in Battery Energy Storage Systems (BESS) with extensive experience in power system stability, control, and renewable integration. As Chief Technology Officer of Huawei Digital Power Thailand, he has led projects in smart cities, IoT applications, photovoltaic systems, and large-scale BESS deployments, driving innovation in Thailand's energy transition.

Recognized for his deep technical expertise, Mr. Kalvibool regularly shares his knowledge as a lecturer at events organized by The Engineering Institute of Thailand Under H.M. The King's Patronage (EIT). His leadership and insights continue to play a key role in advancing Thailand's clean energy infrastructure and promoting the adoption of sustainable energy technologies.

17:05 Safety Considerations in Na-ion Cells

Dr. Darren Tan
CEO & Co-Founder, UNIGRID battery

Dr. Darren H. S. Tan is the CEO and co-founder of UNIGRID Battery, a spin-out startup from the University of California, San Diego, where he obtained his Ph.D. from the Chemical Engineering department. He is currently leading the UNIGRID team in commercializing advanced sodium ion batteries for the emerging motive and stationary storage markets.

17:25 Early Detection of Electrolyte Vapor Gas

Mr. Ivan Yeo
Regional Business Development Manager, Honeywell

Mr. Ivan Yeo is the Regional Business Development Manager at Honeywell, specializing in advanced battery safety solutions. With 19 years of experience in sales and business development, including over 12 years in the battery and energy sectors, he has deep expertise across multiple chemistries including lithium-ion, lead-acid, tubular, and Ni-Cd batteries.

At Honeywell, Mr. Yeo promotes innovative technologies such as the Li-ion Tamer Gen 3 electrolyte vapor sensor, which enhances safety for energy storage systems (ESS) through early off-gassing detection and prevention of thermal runaway. Previously, he served as General Manager at Leoch Battery Pte Ltd (2014–2023), where he advanced lithium-ion applications in telecom, data centers, ESS, golf carts, and industrial sectors across the Asia-Pacific region.

Note:

09:00 Towards a Circular Value Chain for Lithium-ion Batteries

Mr. Kelvin Chan
Director of A*STAR Battery Centre, Singapore

Kelvin Chan is the Director for A*STAR Battery Centre. As the Centre Director, Kelvin is responsible for implementing A*STAR's initiatives and building long term R&D capabilities in battery technologies by bringing together teams across A*STAR Kelvin is also a Principal Investigator of a research programme to develop solutions in enabling the circularity of end-of-life batteries. It is a 3 years programme involving a team of 30 engineers and scientists across research institutes and university in Singapore.

Kelvin has 20 years of experience that spans across R&D programme management, technology development and management consulting in the aerospace, consumer goods, land transport and pharmaceutical industries. He holds MSc degree in Mechanical Engineering from Nanyang Technological University and an MBA from University of Manchester. Kelvin is also a certified PMI-PMP and ACP professional.

10:50 Powering the Future: Standardized Connector Interfaces for LEV Growth

Mr. P-Mathew Nebu
Senior Engineering Manager,
Amphenol Communications Solutions

Actively involved in New Connector development projects catering to new markets needs in e-Mobility, Datacom and Industrial sectors. Over 22 years of Experience in Connector Industry. Spearheading the introduction of new Connector solutions for Charging and Discharging applications in e-mobility. Pioneering the introduction of Connector Terminal systems to cater to the market needs for High mating cycle, High current, coupled with Cost effectiveness.

Note:

11:10 Circular Battery Solutions for Public Transport: Building Local Capacity in Malaysia's Climate

Dr. Khair Hassan
Technical Advisor, ElektroModula Sdn Bhd.

Ir. Dr. Mohd Khair Hassan was born in Melaka, Malaysia, in November 1974. He received his BEng (Hons) in Electrical and Electronics from the University of Portsmouth, United Kingdom (1998), an MEng in Electrical Engineering from Universiti Teknologi Malaysia, and a Ph.D. in Automotive Engineering from Universiti Putra Malaysia (2010). His academic career is distinguished by impactful research contributions, particularly in the field of energy storage and sustainability. His primary research interest centers on the Circular Economy of Retired Batteries, with emphasis on battery ageing prediction, Remaining Useful Life (RUL) estimation, and second-life applications. By integrating AI-driven prognostics with sustainable repurposing strategies, his work contributes to safer second-life deployment, reduced environmental impact, and alignment with circular economy policies.

In 2024, Dr. Khair was seconded to ElektroModula Sdn Bhd (EMSB) as Technical Advisor, where he plays a pivotal role in shaping the company's technical direction and product innovation. Leveraging his deep expertise in battery health analytics, high-voltage electric vehicle (HVEV) safety systems, and sustainable energy technologies, Dr. Khair contributes directly to the development and enhancement of EMSB's core offerings—including EV charger systems, battery repurposing modules, and integrated energy management platforms. His insights drive the adoption of predictive maintenance protocols, advanced battery diagnostics, and AI-enabled lifecycle optimization across EMSB's product lines.

Dr. Khair also provides strategic oversight for EMSB's Maintenance, Repair, and Overhaul (MRO) operations, particularly for Perbadanan Putrajaya's Single Deck Electric Bus (SDEV) program. His involvement ensures that EMSB's services meet the highest standards of safety, reliability, and regulatory compliance, while supporting the scalable deployment of autonomous and electric public transport solutions. Through his leadership, EMSB continues to strengthen its position as a trusted partner in Malaysia's EV ecosystem delivering future-ready technologies that align with national sustainability goals and global mobility trends.

13:30 Global Battery Value Chain Outlook and Opportunities in ASEAN

Ms. Xiaowei Mei
Senior Battery Demand Analyst, Cru Group

Xiaowei joined CRU in 2023 and is currently a senior battery demand analyst. Xiaowei has over 4 years' experience in commodity trading field specially battery metals market (Ni, Co and Li) Prior to joining CRU, she was a battery metals market analyst and also worked as a risk analyst in Trafigura's China office. Xiaowei graduated with a Distinction degree from Cass Business School with an MSc of Finance for her master's degree.

Note:

3rd ASEAN Battery Technology Conference

Co-Organized By

TESTA
Thailand Energy Storage Technology Association

SINGAPORE BATTERY CONSORTIUM

NMB

EVAP
Electric Vehicle Association of the Philippines

National Battery Research Institute

National Center for Sustainable Transportation Technology

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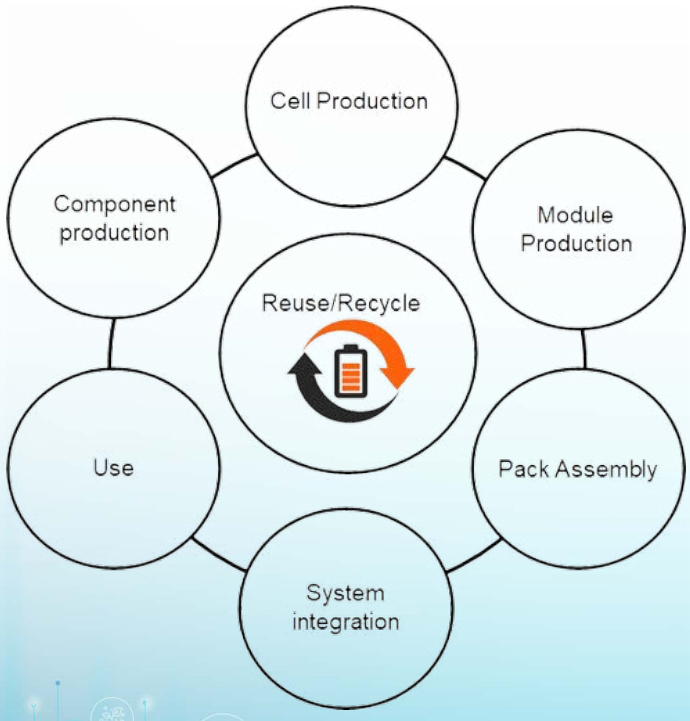
TAKUNI

TESTA
Thailand Energy Storage Technology Association

About

Thailand Energy Storage Technology Association (TESTA) aims to help connect stakeholders, educate public, promote understanding, and nurture technological advancements on energy storage technologies in Thailand. TESTA had been officially registered on January 25, 2021, by 5 founding institutes including National Science andTechnology Development Agency (NSTDA), Khon Kaen University (KKU), King Mongkut's University of Technology Thonburi (KMUTT), King Mongkut's University of Technology North Bangkok (KMUTNB), and Electric Vehicle Association of Thailand (EVAT). Over 60 members of the association include energy storage technology enthusiasts from various sectors ranging from academic, research institutes, public sectors, policy makers, and private industries.



VISION

A leading platform for networking and collaboration between researchers and innovators on energy storage related technologies in ASEAN.

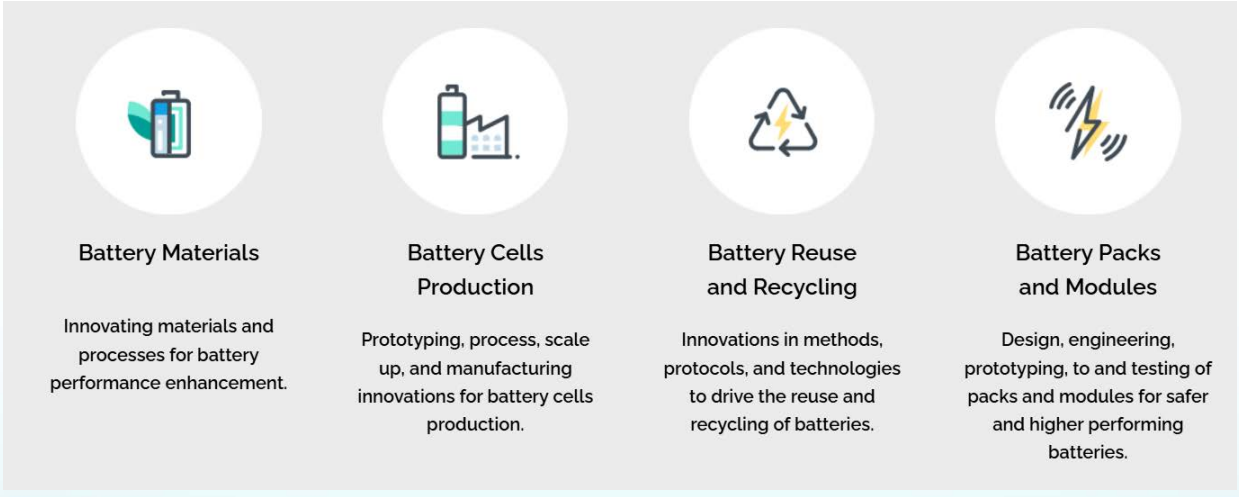
MISSION

1. Promote research and development of affordable and sustainable energy storage technologies for clean and efficient power system and EV in Thailand.
2. Create linkage between energy storage researchers /developers and producers/users
3. Provide facts and figures to decision makers and business leaders and raise public awareness regarding energy storage technologies in Thailand.

SINGAPORE BATTERY CONSORTIUM

About

Singapore Battery Consortium (SBC) aims to foster strategic R&D partnerships amongst public research performers and industry players in the development and advancement of battery technologies. SBC aims to develop and catalyze the local ecosystem in battery related technologies through this platform. It is hosted at A*STAR and supported by the National Research Foundation Singapore (NRF). Over the past decade, commercial interest in battery development has been on the rise, keeping pace with demand for better battery performance and different performance characteristics for increasingly complex mobility and portable devices. To meet this demand, the Singapore Battery Consortium will bring research outcomes from our laboratories into market by enabling researchers to understand business requirements, while giving companies access to the latest battery research and technologies to augment their product development efforts.



VISION

To be the leading regional organisation impacting the growth and translation of advanced battery related technologies through innovation driven public-private partnerships. We aim to make Singapore the authoritative voice in battery related technologies and a place for private companies, public stakeholders and researchers to come for innovation.

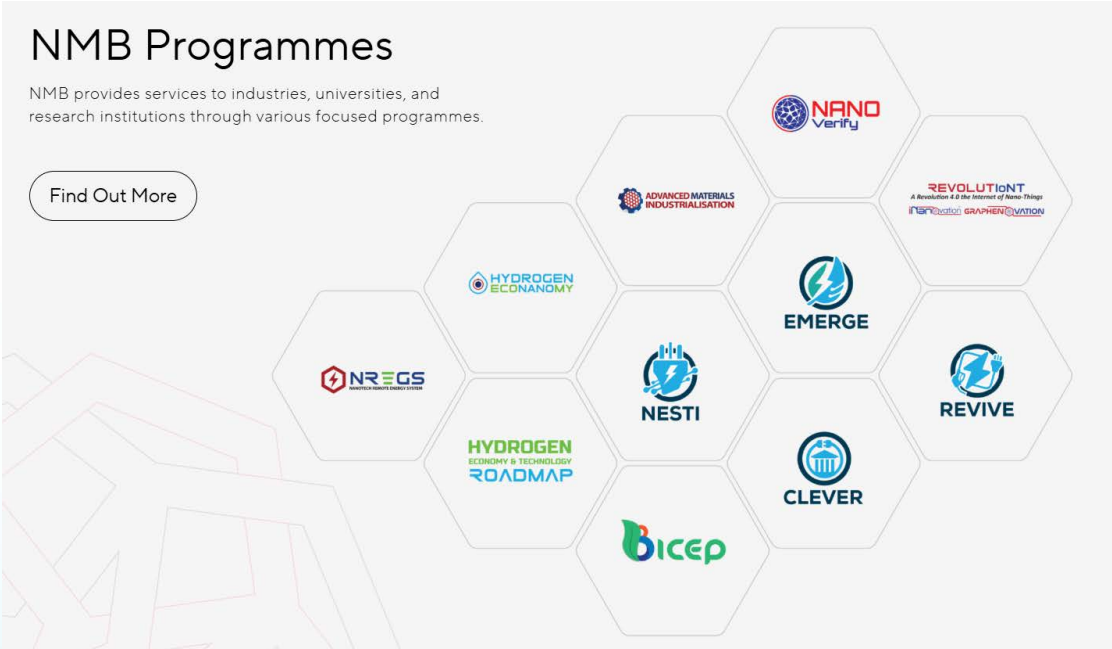
MISSION

To foster strategic R&D partnerships between public research performers and industry players in the development of battery technologies.

NMB

About

NanoMalaysia Berhad was incorporated in 2011 as acompany limited by guarantee (CLBG) under the Minister of Science, Technology and Innovation (MOSTI) to act as a business entity entrusted with nanotechnology commercialization activities. Some of its roles include commercialization of nanotechnology research and development, industrialization of nanotechnology, facilitation of investments in nanotechnology and human capital development in nanotechnology.



VISION

To be a global leader in nanotechnology commercialisation.

MISSION

Business entity that energises industries and national economies by
1. Facilitating adaptation of nanotechnology in industries.
2. Providing a profitable and sustainable business development.
3. Championing technical leadership and creating true values.

Electric Vehicle Association of the Philippines

About

Electric Vehicle Association of the Philippines (EVAP) envisions a nation wherein the use of electric vehicles is highly promoted, encouraged and supported by its government and the society in order to develop a transportation landscape that is one with the environment ecologically and economically. eVAP's mission is to educate the public on environmental awareness, and the economic and ecological benefits of electric vehicles through the conduct of and/or participation in promotional activities. eVAP aims to accelerate the society's conversion from using gas-powered vehicles to electric vehicles and works with the government in the creation and implementation of legislations that will support and encourage the use of electric vehicles.

National Battery Research Institute

About

The National Battery Research Institute (NBRI) was legally established on 17th December 2020 as The Center ofExcellence Innovation of Battery and Renewable Energy Foundation, with Prof.Dr. Evvy Kartini as a Founder andProf Alan J. Drew as Co-Founder. NBRI is Indonesia's independent institute for electrochemical energy storage science and technology, supporting research, training, and education. NBRI aims to contribute to the overall research capacity and training environment in Indonesia in Battery Research. NBRI is a platform that brings together scientists, academicians, industry partners, the government and all stakeholders that focus on battery technology. The main goal of NBRI is to encourage and support a battery manufacturing industry using locally resources, which will enable Indonesia to be independent in energy. The NBRI was supported by the UKGovernment's Global Challenge Research Fund (GCRF), aspart of the Queen Mary University of London QR allocation.


Lithium Ion


Beyond Lithium Ion


Industry Concern


Battery Characterisation


Indonesia Research Community


Indonesia Research Highlights


Indonesia National Research Priority

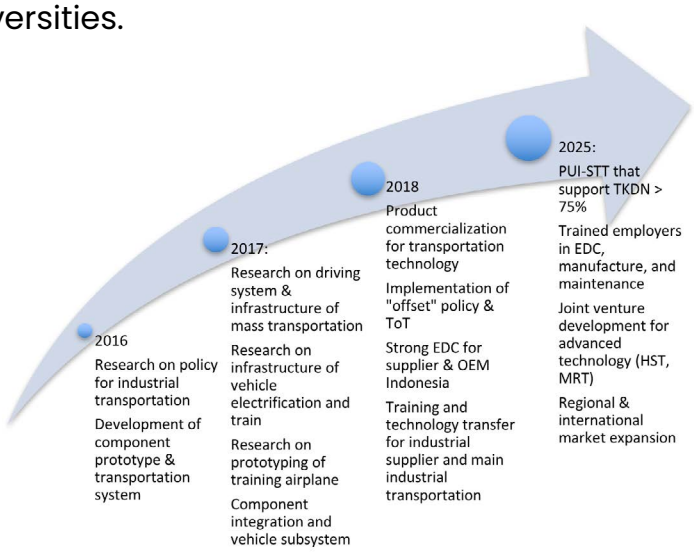
VISION

Our vision for the NBRI is to gather all Indonesian stakeholders in battery research and production, to help form strong national batteries research and increase the visibility of batteries research at government level. The long term goal is to help develop a batteries manufacturing industry using locally sourced resources, which will enable Indonesia to be independent in energy; it has vast renewables which require grid-storage, isolated communities that require localised generation and storage or electricity, huge local resources for manufacture

National Center for Sustainable Transportation Technology

About

The National Center for Sustainable Transportation Technology (NCSTT), or Pusat Pengembangan Teknologi Transportasi Berkelanjutan, is from Indonesia, and is an unique multidisciplinary research center focused on conducting, supporting and encouraging applied engineering and technology for transportation systems in Indonesia. NCSTT has been recognized globally as the research center which aims to foster the national transportation industry in developing national economics and welfare. NCSTT has built network linkages and research collaborations with national transportation stakeholders such as automotive, railway and aircraft industries, as well as research institutions and universities.



VISION

To support national transportation roadmap which can leverage the competitiveness of the local industry.

MISSION

1. To develop national transportation industry within the strong innovation ecosystem
2. To build competitive transportation industries with strong support from the national resources and technologies that can compete in local, regional, and global markets

AI & Digitalization Partner

SIEMENS

About

Siemens is a global tech company and the leading provider of industrial automation, digitalization, and service solutions across industries. At Siemens, they create technology to transform the everyday, for everyone by seamlessly combining the real world of OT and automation with the digital world of IT and data. A global leader in industrial automation and software, Siemens empowers enterprises to advance innovation, accelerate transformation, and evolve into sustainable Digital Enterprises.

Within the battery industry, Siemens acts as a trusted advisor — supporting battery manufacturers and machine builders to design and produce batteries sustainably and efficiently, virtually develop and validate gigafactories to ramp up production, and scale operations quickly by combining Digital Twin technology, AI, and modular automation.

Energy

Our portfolio covers the whole spectrum of applications to design, finance, build, operate and maintain a modern smart grid and power distribution systems.

Industrial automation

With an end-to-end automation approach, Siemens brings together what belongs together. The integrated solutions, in which tomorrow's innovations are already thought into today, create a plus in flexibility, productivity and future security.

Software

Accelerate your digital transformation with our software solutions, e.g. Industry software, PLM sofware and last but not least Siemens Xcelerator.

Website: https://www.siemens.com

Safety and Standards Partner

UL Standards & Engagement

About

UL Standards & Engagement is a nonprofit organization that translates safety science into action through standards development, partnerships, and advocacy. Since 1903, we have developed nearly 1,700 standards and guidance documents for products ranging from fire doors to autonomous vehicles. ULSE enables innovation and grows trust by convening experts and informing policymakers and regulators as we work toward a safer, more secure and sustainable future.

Home Safety

Home is where you should feel your safest. Learn how we are working to give your household greater peace of mind.

Explore each interactive focus area category to learn more.

Community Safety

When you step outside your door, you should feel safe where you work and live. Explore how we're making your community safer.

Explore each interactive focus area category to learn more.

Travel Safety

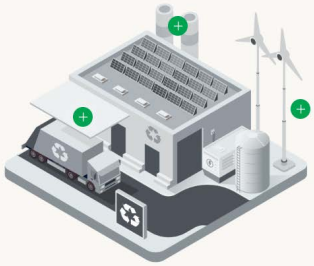
You deserve to feel safe when you travel. Find out how we're working to help you keep safe from point A to point B and everywhere in between.

Explore each interactive focus area category to learn more.

Environmental Safety & Sustainability

Environmental sustainability is important to your health and safety. Learn about the programs and standards that help make it possible.

Explore each interactive focus area category to learn more.



Global Safety

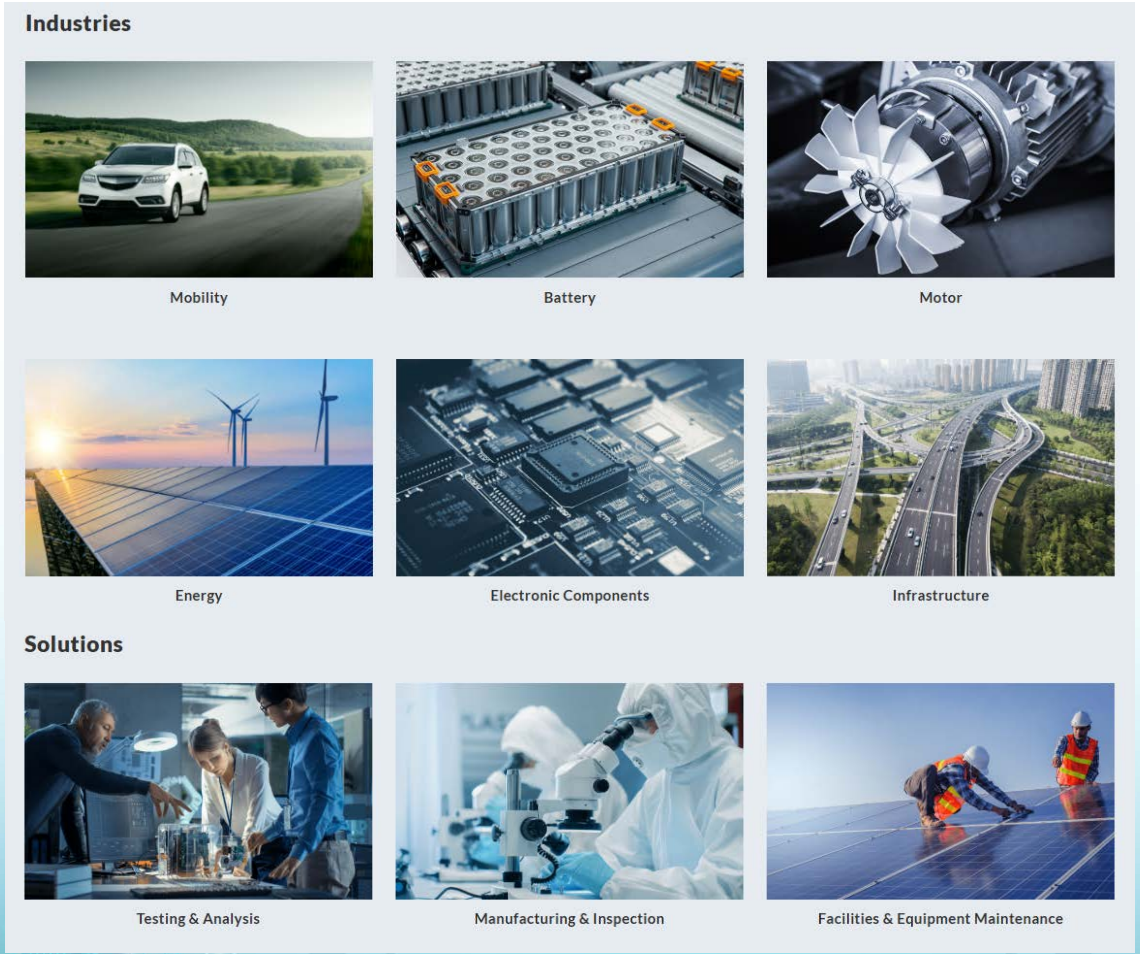
Global safety is a collective effort. Broaden your understanding of global safety challenges and the solutions we are bringing to the world.

Gala Dinner Sponsor

HIOKI

About

Hioki, established in 1935 and headquartered in Ueda, Nagano, Japan, Hioki E.E. Corporation celebrates its 90th anniversary in 2025 as a global leader in electrical measuring instruments. With a strong focus on precision, innovation, and reliability, Hioki provides a comprehensive range of solutions for testing, measuring, and analyzing electrical parameters, serving industries such as automotive, electronics, and energy. Trusted by professionals and researchers in over 80 countries, Hioki continues to drive advancements in electrical measurement with state-of-the-art R&D and manufacturing facilities in Nagano, upholding a proud legacy of quality and innovation over nine decades.



Platinum Sponsors

Amphenol
COMMUNICATIONS SOLUTIONS

About

Amphenol is one of the world's largest providers of high-technology interconnect, sensor and antenna solutions. Our products Enable the Electronics Revolution across virtually every end market, including Automotive, Broadband Communications, Commercial Aerospace, Defense, Industrial, Information Technology and Data Communications, Mobile Devices and Mobile Networks. Founded in 1932, Amphenol trades on the New York Stock Exchange under the ticker APH and is headquartered in Wallingford, Connecticut, USA.

Markets Served

Automotive

Amphenol is a leading supplier of advanced interconnect systems, sensors and antennas for a growing array of automotive applications.

Broadband

Amphenol is a world leader in broadband communication products for cable, satellite and telecommunications video and data networks.

Commercial Aerospace

Amphenol is a leading provider of high-performance interconnect systems and components to the commercial aerospace market.

Defense

Amphenol is a world leader in the design, manufacture and supply of high-performance interconnect systems for harsh environment defense applications.

Industrial

Amphenol is a leading supplier of high-performance interconnect systems, sensors and antennas for a broad range of industrial applications.

IT Datacom

Amphenol is a market leader in interconnect development for the information technology (IT) and datacom market, with industry-leading high-speed, power and fiber optic technologies.

Mobile Devices

Amphenol designs and manufactures an extensive range of interconnect products, antennas and electromechanical components across a wide array of mobile computing devices.

Mobile Networks

Amphenol is a leading global interconnect solutions provider to the mobile networks market and offers a wide product portfolio, including antennas, connectors and interconnect systems.

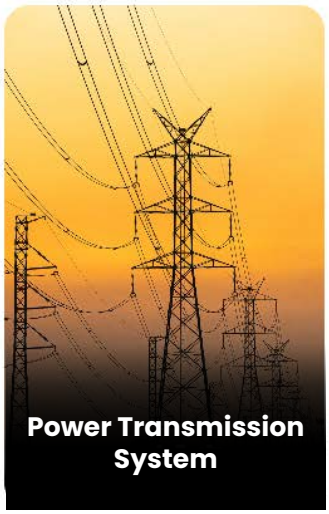
Platinum Sponsors

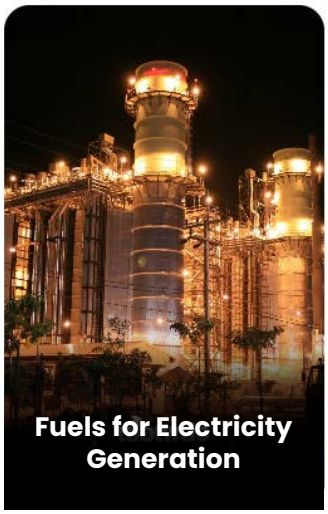
EGAT

About

Electricity Generating Authority of Thailand (EGAT) is the leading state-owned enterprise responsible for electric power generation, transmission, and wholesale electricity sales in Thailand. With a steadfast commitment to national energy security and sustainable development.

EGAT's Main Mission



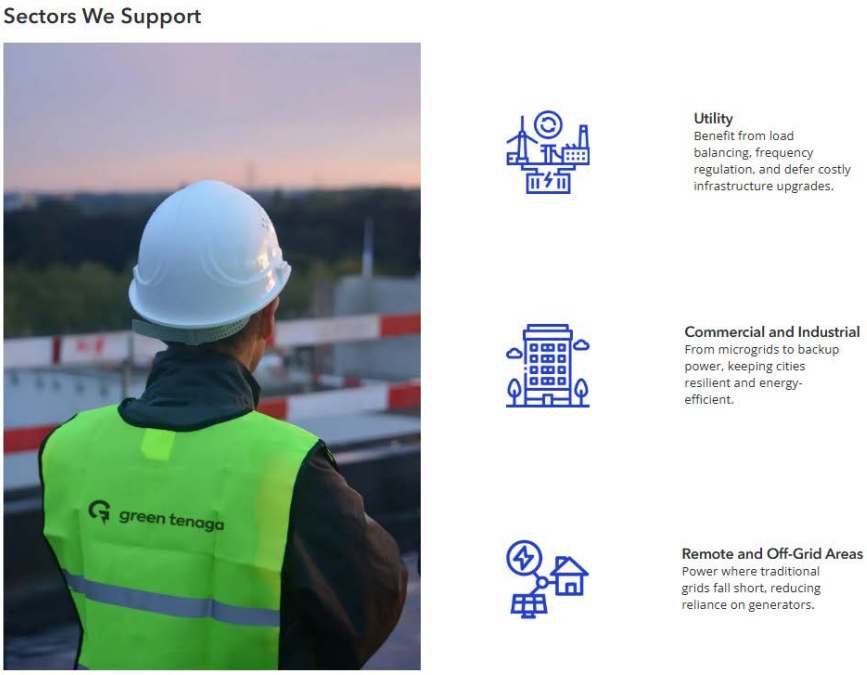


As ASEAN nations accelerate their journey towards a cleaner, more resilient energy future, EGAT stands at the forefront of integrating cutting-edge technologies, particularly in the realm of energy storage systems (ESS). Our participation in the ASEAN Battery Technology Conference 2025 underscores our dedication to fostering innovation, collaboration, and the practical application of advanced battery solutions to address the evolving demands of electricity grids. At this conference, EGAT is particularly keen to share its extensive experience in grid-scale Battery Energy Storage Systems (BESS) deployment, BESS safety protocols and best practices, and the sustainable management of used EV batteries.

Gold Sponsors

About

Green Tenaga is a Energy Storage System (ESS) integrator with an unwavering commitment in ensuring their storage solutions deployed in the industry are safe & reliable. As a subsidiary of Pacific International Lines (PIL) and supported by Singamas, a global leader in container manufacturing,



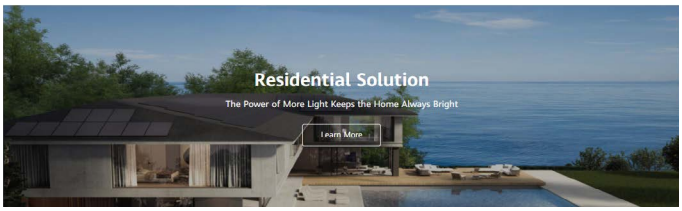
Green Tenaga's core strength lies in the ability to custom-engineer ESS to suit a wide range of client-specific requirements & sizes, making us a trusted consultant and solutions provider for utility, commercial, and industrial customers.

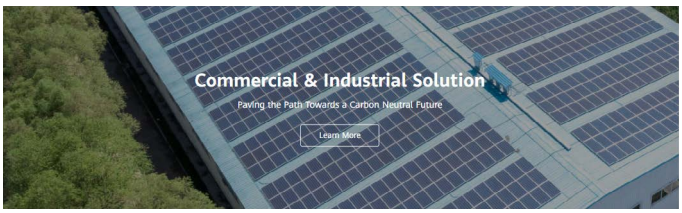
Every system delivered by Green Tenaga is developed with a strong emphasis on safety, incorporating advanced fire protection, thermal management, and monitoring capabilities. With a full suite of design, integration, deployment, and lifecycle services, Green Tenaga offers comprehensive and customizable energy storage solutions that prioritize safety, performance, and long-term value to all customers.

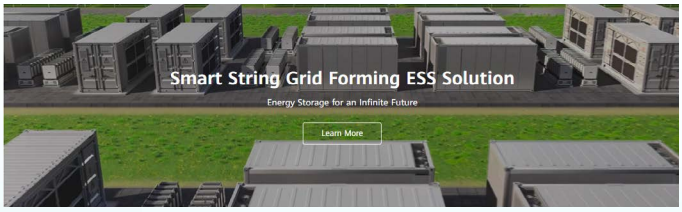
Gold Sponsors

HUAWEI

About







Huawei Digital Power is committed to integrating digital and power electronic technologies, developing clean power, and enabling energy digitalization to drive energy revolution for a better, greener future.

In the clean power generation sector, we help create new power systems that primarily rely on renewable energy.

In the mobility electrification sector, we enhance the consumer charging experience in electric vehicles (EVs), accelerating green traveling.

In the green ICT power infrastructure sector, we help build green, low-carbon, and intelligent data centers.

Huawei Digital Power continues innovating through open collaboration with global partners to promote carbon neutrality.

Silver Sponsors

About

Ampace Technology Limited (hereinafter referred to as “Ampace”) stands as a globally acclaimed innovator in new energy technolog ies , committed to delivering green energy solutions with ultimate user experience to forge the world ahead and empower a better life. With its headquarters located in Xiamen, Fujian, with an investment exceeding CNY 10 billion, Ampace is built on an area of over 111.33 hectares. The company is known with world class R&D and manufacturing of a complete chain Li ion battery products a from “Cell Battery Pack System Integration” , and has obtained of authoritative certifications, such as CNAS/ISO17025 and IATF16949 qualifications. In addition, Ampace is capable to meet a wide range of customer requirements through its intelligent manufacturing matrix including highly customized manufacturing platform, advanced real time intelligent data analysis, and fully automated processes.

In the realm of energy storage, e mobility, power tools, vacuum cleaners, drones, and more, Ampace has established extensive strategic partnerships with industry leaders. The company is renowned for providing new energy products and services characterized by ultimate safety, reliability, performance, and user experience, serving over 41 million customers in 29 countries and regions worldwide.

Website: https://www.ampacetech.com/en

Silver Sponsors

AEyeMynd

About

AEyeMynd is a Singapore based startup pioneering AI-powered non-destructive testing (NDT) for battery cell inspection. Founded in 2024, the company is transforming how manufacturers detect internal defects in batteries—enhancing safety, reducing waste, and enabling second-life repurposing

Core Product

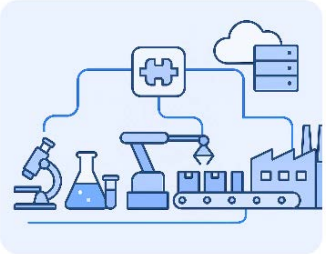
AEyeMynd's flagship platform, 3DIgniteX, uses state of the art AI algorithms to analyse CT scan data of battery cells. Unlike traditional algorithms, this approach identifies hidden defects.

Seamless Integration

Our AI-powered platform works with standard imaging systems—CT, X-ray, and industrial cameras—eliminating the need for proprietary equipment.

AI-Powered Accuracy

Detect both surface and sub-surface defects with precision using deep learning models tailored for manufacturing quality control.



Scalable From Lab to Line

Easily integrates into your existing workflows and infrastructure, whether cloud-based or on-premises, with fast setup and flexible configuration.

Unique Value Proposition

- 10–20% higher defect detection accuracy
- 1000x faster inspection than manual methods
- No proprietary hardware required—compatible with standard CT/X-ray system

Sustainability & Safety Impact

AEyeMynd addresses the global challenge of battery fires and recalls by enabling early defect detection. This helps:

- Prevent catastrophic failures in EVs, drones, and energy storage systems
- Reduce scrap rates and warranty costs
- Support safe second-life battery repurposing

Silver Sponsors

About

Bangchak Corporation Public Company Limited, a Thai energy company engaging in business alongside social and environmental stewardship, aims to enhance national energy security with innovation-oriented businesses. This goal is to strengthen business continuity and develop sustainability for organization and Thai society. Currently, the Company covers 5 main businesses from upstream to downstream.

Refinery Business

Marketing Business

Clean Power Business

Bio-Based Product Business

Natural Resources Business

BiiC

Refinery and Oil Trading Business Group

Thailand's leader in the oil refining industry, with the production capacity, operating two world-class complex refineries, with a nameplate production capacity of 294,000 Barrels per Day. Phra Khanong Refinery in Bangkok, which has added high quality specialty products into its portfolio to produce low emission and high value products. Sriracha Refinery, that is strategically located near Laem Chabang deep sea port in Sriracha, Chonburi province, Configuration incorporates unique proprietary technologies that provide us with significant flexibility to handle a wide range of crude oils.

Marketing Business Group

Distribution channels through industrial and retail channel of more than 2,200 service stations, completed with supplementary non-oil businesses and various services and products, including convenience stores, coffee shops, car care service, and lubricants, to provide customer convenience.

Clean Power Business Group

Bangchak invests in the green power business through BCPG PLC. BCPG runs the power generation businesses in Thailand and overseas from various sources including solar, wind, hydropower and combined cycle natural gas

Bio-Based Products Business Group

Bangchak engages in bio-based product business, including ethanol and biodiesel through BBGI PLC., BBGI is one of Thailand's largest biofuel producer and distributor, while aims to become a leader in premium bio-based products and biotechnology business.

Natural Resources and New Business Group

Bangchak invests in upstream petroleum exploration and production (E&P) business through OKEA ASA, and involves in the lithium business and innovation businesses outside Thailand.

Website: https://www.bangchak.co.th

Silver Sponsors

About

福光电子 Fuguang Electronics

Fuguang Electric, established in 1993, Fuguang Electronics specializes in the R&D, production, and sales of instrumentation, offering comprehensive testing and maintenance solutions. With a client network spanning industries such as new energy, telecommunications, power, rail transportation, and petrochemicals, as well as enterprise private networks, the company achieves annual instrument sales exceeding RMB 260 million. Renowned for superior product quality and efficient system services, the Fuguang brand is exported to over 30 countries and regions.

Innovation-Driven R&D

Fuguang prioritizes technological innovation, operating a dual-core R&D system centered in Fuzhou and Wuhan. Significant resources are invested annually to drive cutting-edge R&D initiatives. To date, the company holds over 40 national technology patents. Equipped with advanced production and testing facilities, a professional technical team, and stringent manufacturing management processes, Fuguang ensures uncompromising product quality at every stage.

End-to-EndCustomerSupport

Fuguang guarantees professional and timely services throughout the entire product lifecycle. From pre-sales technical consultation and product selection, to mid-sales installation, commissioning, and training, as well as post-sales maintenance and troubleshooting, the Fuguang team delivers rapid response and expert technical support to clients, distributors, and partners across industries.

Leadership in New Energy Solutions

In the new energy sector, Fuguang addresses challenges in lithium battery product testing and after-market maintenance. The company collaborates closely with leading lithium battery manufacturers, new energy vehicle (NEV) producers, NEV after-sales service providers, and energy storage clients worldwide. Fuguang provides customized testing and repair instruments for lithium battery production lines and jointly develops aftermarket testing standards for lithium battery products.

Silver Sponsors

About

INV Corporation Pte Ltd is a Singapore-headquartered company specialising in high-performance battery separators for lithium-ion and solid-state batteries, critical components that enhance safety, energy density, and lifespan of next-generation batteries.

With advanced manufacturing plants in Penang, Malaysia and the United States, INV supports global battery makers across electric vehicles, energy storage systems, and high-demand consumer electronics. We have also taken the initial steps in establishing an R&D centre in Singapore, poised to be completed by 2026, tapping into Singapore's world-class innovation ecosystem to accelerate innovation.

Leveraging the deep technical expertise of our parent company, Shenzhen Senior Technology, one of China's leading battery separator manufacturers with over 800 patents, INV is committed to advancing Southeast Asia's battery value chain.

As participants of the 3rd ASEAN Battery Technical Conference, we look forward to exchanging ideas, fostering collaboration, and contributing to a cleaner, electrified future.

Silver Sponsors

About

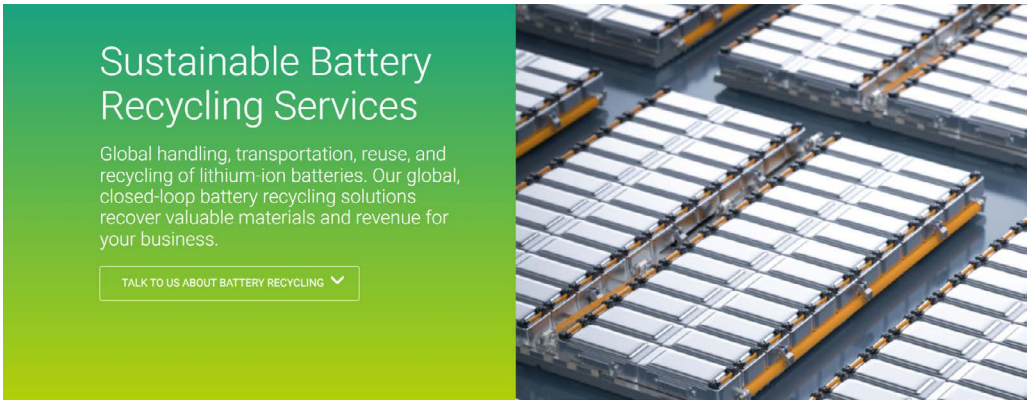
C&D Technologies has been a provider of advanced energy storage solutions for over 100 years, specialising in the design, manufacturing, and support of systems for the conversion and storage of electrical power. The company is dedicated to delivering high-quality, safe, and reliable power storage products that help customers overcome complex energy challenges. Serving a wide range of industries—from data centres and telecommunications to renewable energy and electric vehicles—C&D Technologies is committed to ensuring that mission-critical operations run smoothly and cost-effectively, while also maintaining a strong focus on sustainability and environmentally conscious disposal practices.

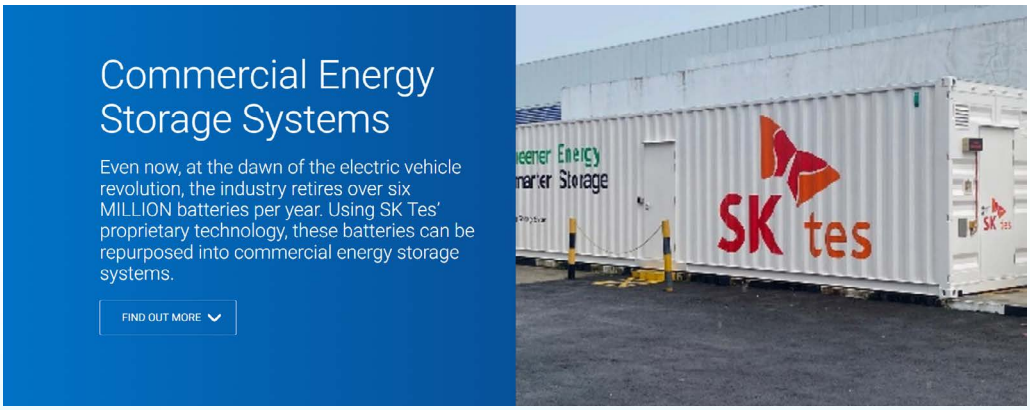
PEC Technology (Thailand) Co., Ltd. is a power solutions provider specializing in power electronics and Battery Energy Storage Systems (BESS). The company's primary mission is to prevent blackouts and ensure a reliable power supply for its clients. They offer a comprehensive suite of services, including engineering design, procurement, installation, and preventive maintenance. Led by founder and MD, Mr. Kasiean Sukemoke, PEC Technology has a proven track record with notable clients such as CAT, Suvanabhumi Airport, and Mae Hong Sorn Smart Grid. The company is committed to helping businesses and individuals future-proof their power infrastructure, minimize downtime, and secure a continuous, reliable power supply.

Silver Sponsors

About

SK Tes is a global battery services supplier, local expertise in every region. Americas, Europe, APAC & ANZ. End to end lifecycle partners. Global network of 40+ facilities





Closed Loop Solution for OEMs

Our 4R (Reduce, reuse, recycle, and recover) solution enables automotive OEMs to service every stage of the lithium-ion battery lifecycle – securely, safely, and sustainably. We're an End-to-end Service Supplier with a Portfolio of Tailored Solutions Our tailored solutions accommodate your business strategy and fill the gaps through every stage of the battery lifecycle.

Silver Sponsors

UNIGRID

About

UNIGRID provides advanced Na-ion battery solutions, so you no longer have to choose between safety and performance. Our batteries tap abundant resources while increasing eficiency and performance.

- 15 min. charge
- 5 min. discharge
- Ultra Safe Chemistry
- Non-Flammable
- Long life cycle
- Low maintenance

Certiied Safety

Third-party tested for safety, you will not ind a safer sodium-ion battery with comparable performance. Our sodium-ion batteries do not undergo thermal runaway. That means no risk of ire during transportation or storage, and no ire propagation, enabling indoor living and working spaces.

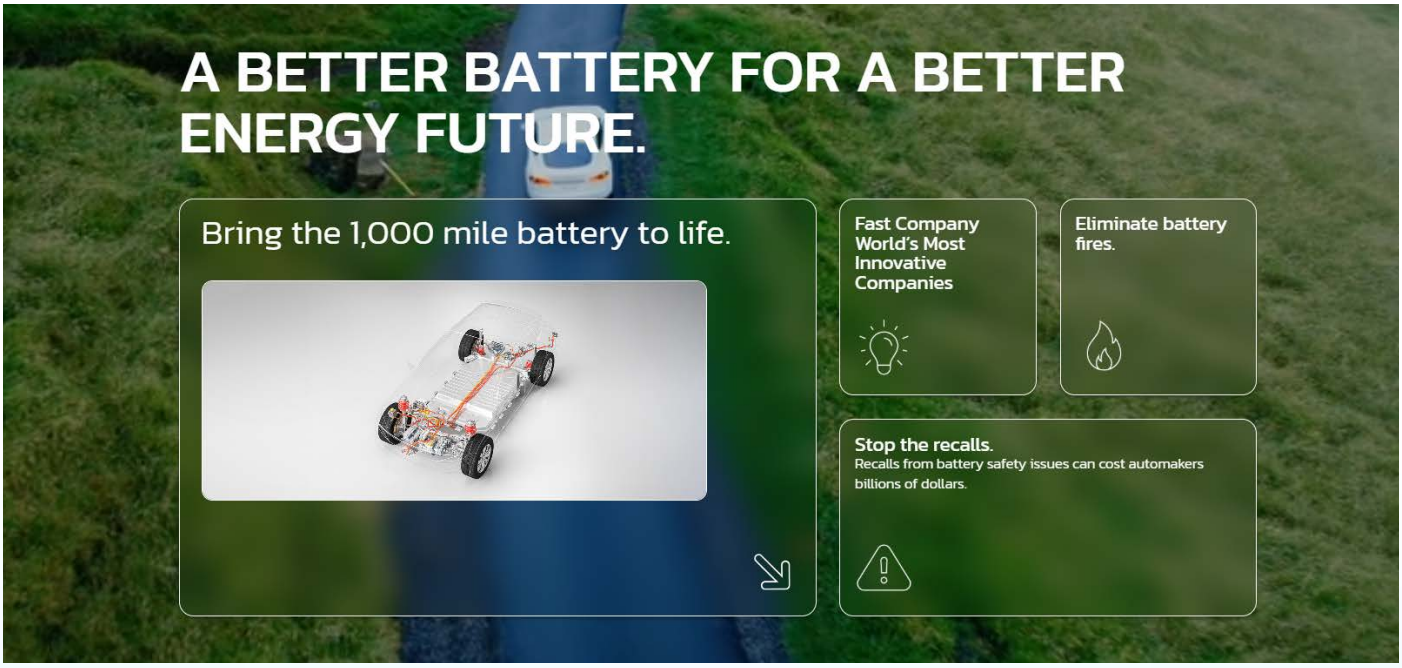
High performance

Engineered for superior safety and performance, UNIGRID's batteries are versatile solutions designed for a wide range of applications. In the e-mobility sector, they power light electric vehicles, industrial vehicles, and starter batteries. For stationary storage, they provide reliable energy solutions for residential, commercial, and industrial (C&I) energy storage needs.

Silver Sponsors

About

24M Technologies was founded with one purpose: To change the way the world makes batteries. Led by some of the industry's foremost inventors, scientists and entrepreneurs, 24M has combined decades of battery expertise with radical, out-of-the-box thinking to develop a revolutionary approach to battery technology.



Critical roadblocks sit in the way of a world powered by affordable, high-performance batteries, from cost challenges to safety concerns and sustainability issues. At 24M, we're tackling these issues at their core, reimagining and re-engineering the battery from the ground up.

Our commitment to building a sustainable future has fueled us since our origins in the labs of MIT and our launch in 2010. Today, with a rapidly expanding suite of battery technologies, we're enabling the global transition to a cleaner, electrified world.

Website: https://24-m.com

About

Amita Technology (Thailand) Co., Ltd. is a company in the Energy Absolute group (EA) committed to developing a business for sustainable growth by expanding the battery production development business of Lithium-Ion Polymer. The 1 GWh lithium-ion battery factory building with machinery installed and started production on December 12, 2021. Amita is considered a lithium-ion battery factory and a complete energy storage system, the first in Thailand and the largest in the ASEAN region.

Ready to drive a new industry, New S-Curve, in line with the needs of the future market by selling to the electric vehicle business group, including electric buses and electric boats. It is considered an essential step for the organization to be the leader in the battery development and production business at the national level.

Amita Technology (Thailand)'s strategy will focus on expanding the lithium-ion battery production plant from 1 GWh to 4 GWh to strengthen the business. Grow together with partners, investors, communities, and society. With innovation and technology of the future under the principles of good governance, to deliver valuable products and promote the country towards its goal of becoming an ASEAN BEV Hub.

About

AMW Tech Pte Ltd is a dynamic technology hub that supports a wide range of advanced technology and medical device companies expanding from China to international markets. With a strong foundation under COCOCapital, the company collaborates with both portfolio and non-portfolio partners, providing expertise and services that accelerate growth and innovation.

AMW Tech's capabilities span business development, market research, product development, sales and distribution, and regulatory compliance. Driven by the mission to empower businesses in the B2B advanced technology and medical device sectors, AMW Tech fosters innovation and sustainable growth through strategic alliances and a collaborative ecosystem. With deep industry expertise and a global network, the company is dedicated to creating synergies, driving success, and shaping a future where innovation knows no boundaries.

About

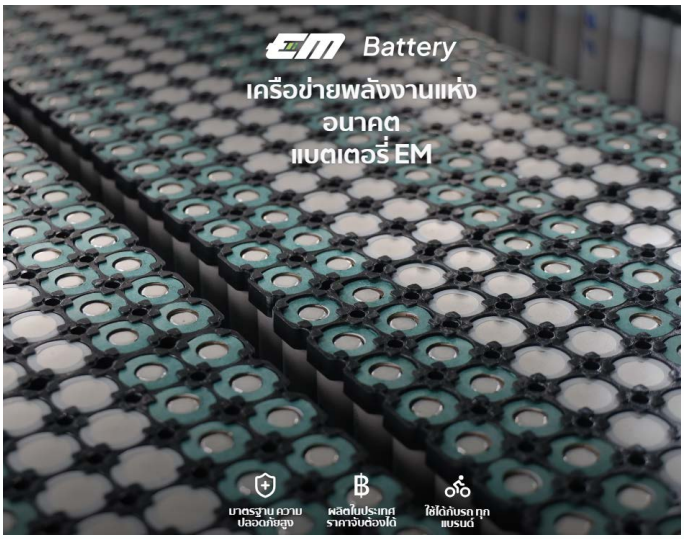
AVL SEA & AUSTRALIA Co., Ltd. is the world's largest independent company for the development, simulation and testing of powertrain systems (hybrid, combustion engine, transmission, electric drive, batteries, fuel cell and control technology) for passenger cars, commercial vehicles, construction, large engines and their integration into the vehicle. The company has decades of experience in the development and optimization of powertrain systems for all industries. As a global technology leader, AVL provides complete and integrated development environments, measurement and test systems as well as state-of-the-art simulation methods. As a pioneer in the field of innovative solutions, such as diverse electrification strategies for powertrains, AVL is increasingly taking on new tasks in the field of autonomous driving (connectivity, ADAS, CCAD, etc.) especially on the basis of subjective human sensations (driveability, performance attributes, etc.). In the competition of technologies – internal combustion engine, battery/electric drive and fuel cell systems – and their combinations, AVL is working intensively and with the same priorities. AVL has digitized the vehicle development process with state-of-the art and highly scalable IT, software and technology platforms, and creates new customer solutions in the areas of big data, artificial intelligence, simulation and embedded systems in an agile and integrated development environment.

AVL SEA & AUSTRALIA Co., Ltd. is a wholly owned affiliate of AVL List GmbH. Located in Bangkok with offices and representatives in Hanoi, Jakarta, Melbourne, Kuala Lumpur and Taipei, the company is responsible for the countries of South-east Asia, Australia, New Zealand, Taiwan and Bangladesh. AVL SEA & AUSTRALIA covers all services from sales consultancy, engineering, project management, installation, commissioning and all kind of after sales support services.

Website: https://www.avl.com

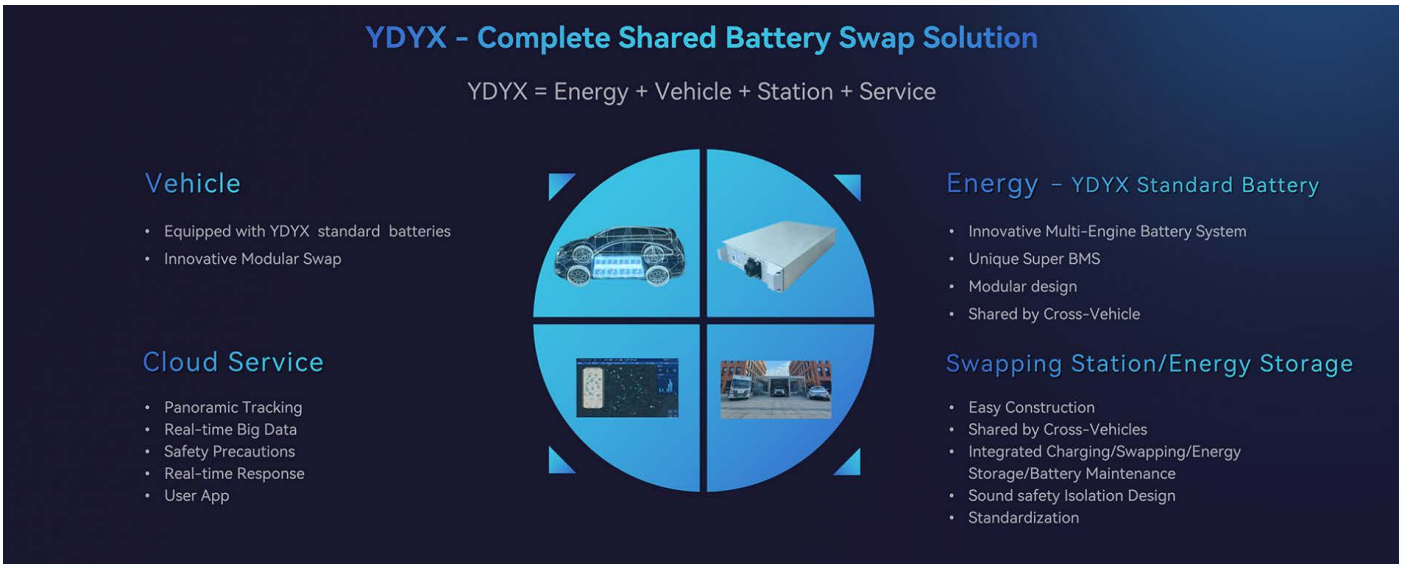
About

EM Motor is a leading expert in electric two-wheel and three-wheel vehicles in the country, focused onenhancing the capabilities of the organization and its skilled personnel, improving operationalefficiency, delivery and after-sales service, to ensure customer satisfaction and to advance towards industry leadership.



About

Firebright1 Limited is dedicated to advancing innovative technologies in electric vehicles (EVs) and energy storage. The company's flagship solution, the "YDYX" platform, offers a comprehensive battery-swapping ecosystem that integrates EV design, battery systems, swap stations, cloud services, and application scenarios.



Through close collaboration with OEM partners, Firebright1 develops customized, battery-swappable electric vehicles and delivers differentiated smart mobility solutions. By combining vehicles, energy infrastructure, and digital platforms, the "YDYX" ecosystem supports sustainable growth and contributes significantly to achieving the "dual carbon strategy". With a focus on innovation, collaboration, and commercialization, Firebright1 is shaping the future of green mobility and energy storage in Asia and beyond.

HITACHI

About

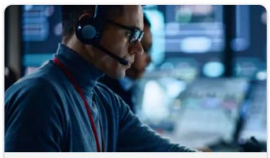
Hitachi Energy is a global technology leader in electrification, powering a sustainable energy future with innovative power grid technologies with digital at the core. Over three billion people depend on our technologies to power their daily lives. With over a century in pioneering mission-critical technologies like high-voltage, transformers, automation, and power electronics, we are addressing the most urgent energy challenge of our time – balancing soaring electricity demand, while decarbonizing the power system.

Energy Storage

Hitachi Energy's battery energy storage technology is used in Porto Santo, to support the integration of renewable energy into the island grid

Substations & Electrification

Hitachi Energy offers innovative and reliable solutions for effective integration of power from conventional and renewable generation plants globally.



Grid and Generation Management

Modular, utility-friendly, and cohesive, Hitachi Energy's Network Manager helps you leverage data, people, and systems to enhance operational resiliency.

Energy Portfolio Management

Hitachi Energy support critical energy investment decisions and efficient energy operations planning, trading, portfolio optimization, and market operations.

Power Quality

Power quality is a high priority for utilities, and industries. Hitachi Energy deliver a wide portfolio of products, systems, solutions and consulting services.

Hitachi Energy Thailand has a long history of continuing association with the development of Thailand's utility and industry sectors for more than 90 years since the first motor delivery to Siam Cement in 1913.

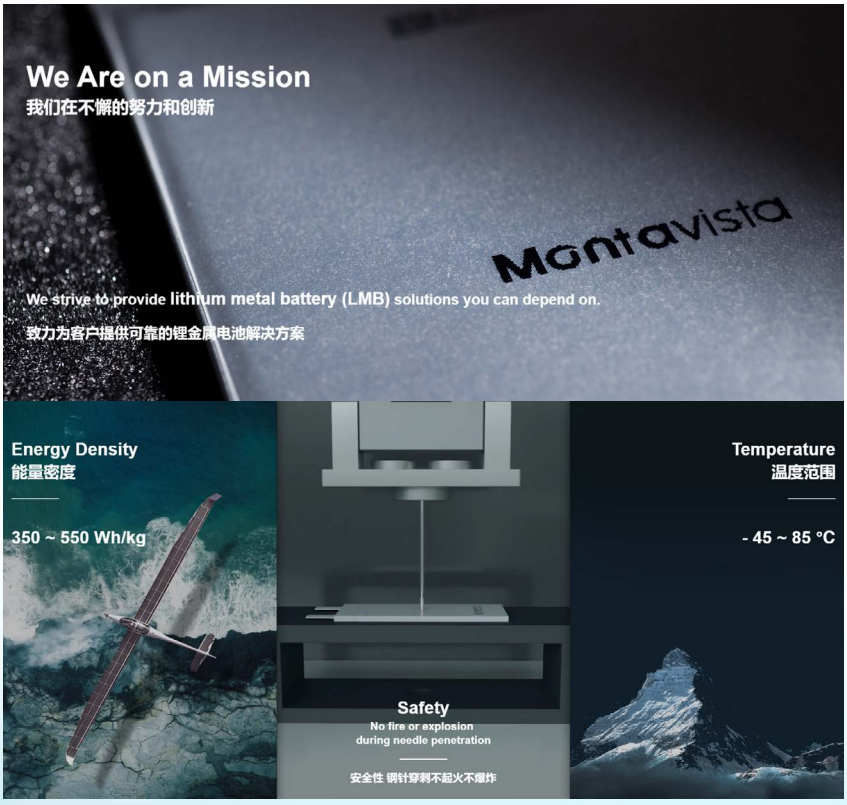
Our manufacturing base in Thailand is located in Bangpoo Industrial Estate where we manufacture low voltage capacitors, power transformer production, transformer service and an oil laboratory. Our medium and low voltage switchgear assembly is also located there.

To strengthen our after sales service and to serve our customers nationwide, we have established Rayong Business Center in Rayong Province.

Montavista 盟维科技

About

Montavista Energy Technologies Corporation is a pioneering company specializing in next-generation energy storage solutions, with a strong focus on solid-state battery innovation. Founded by Prof. Zhang Yuegang of Tsinghua University, Montavista is dedicated to transforming the battery industry by delivering safer, higher-performance, and more sustainable technologies for global applications.



The company's mission is to accelerate the commercialization of solid-state batteries through cutting-edge research, advanced materials development, and strategic industry partnerships.

Montavista integrates expertise in materials science, electrochemistry, and engineering to create energy storage systems that meet the demands of electric mobility, renewable integration, and large-scale energy storage.

With a vision to drive the future of clean energy, Montavista Energy Technologies continues to push technological boundaries and contribute to a sustainable low-carbon economy worldwide.

NEWARE
Since 1998

About

Neware Technology Limited, established in 1998, specializes in developing and manufacturing battery testing systems. These systems are designed to meet the needs of various industries, including battery manufacturers, new energy vehicle producers, and energy storage enterprises. With a focus on stability and high accuracy, Neware's products support the advancement of battery technology and energy solutions. The company operates from its headquarters in Shenzhen, China, and serves a global clientele, emphasizing innovation in battery testing solutions.

About

Nextere operates in the fields of Green Energy and Smart Building Platforms, integrating IoT technology with advanced data analytics. The platform enables monitoring, real-time status visibility, alerts, and control for both building systems and battery data within a single solution. With robust API support, it seamlessly connects with other management systems, including IoT platforms, applications, Line OA, and various third-party systems.

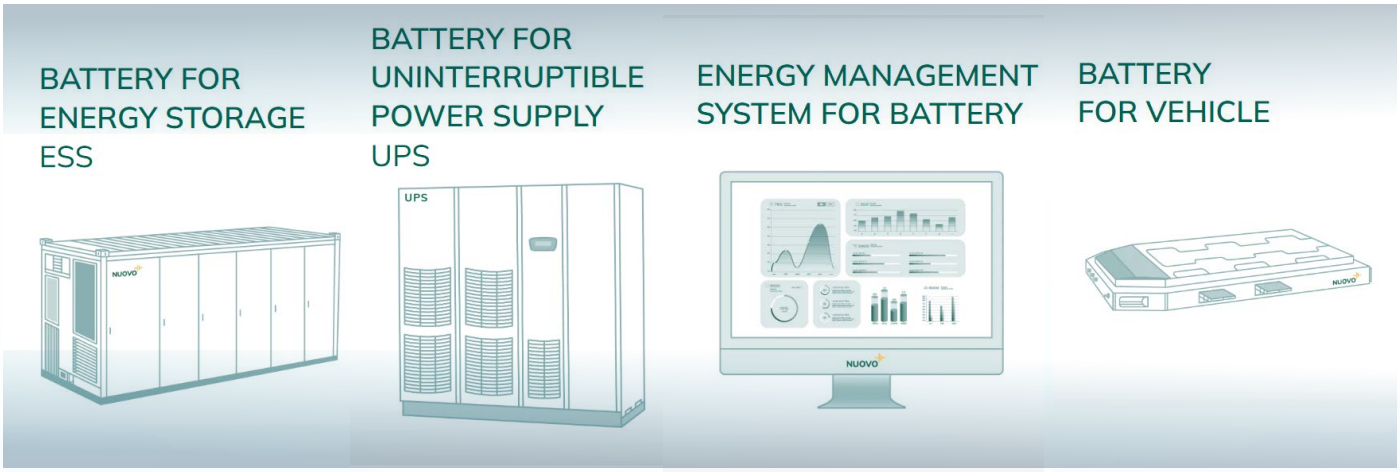
Nextere is a Thai company specializing in innovative LEV (Light Electric Vehicle) technology and smart solutions. We offer a range of products and services, including:

- Battery Management System (BMS): Provides intelligent battery management solutions to optimize performance and align with ESG principles.
- Repair damaged batteries and extend the life of LEV batteries service that extend lifespan and minimize environmental impact.
- Smart City Solutions: Designs and implements smart furniture, smart buildings, EV charging infrastructure, and IoT platforms.

Nextere is committed to empowering individuals and businesses to make a positive impact on the environment through sustainable mobility and smart solutions.

About

Nuovo Plus specializes in advanced energy management solutions, guiding clients through the entire process from initial design and system integration to seamless installation and comprehensive after-sales service. They leverage cutting-edge technology to optimize energy usage, focusing on Battery Energy Storage Systems (BESS) and Energy Management Software (EMS). Nuovo Plus aims to empower businesses across diverse sectors in their transition towards clean energy, enhancing efficiency and driving sustainable growth within the energy landscape.



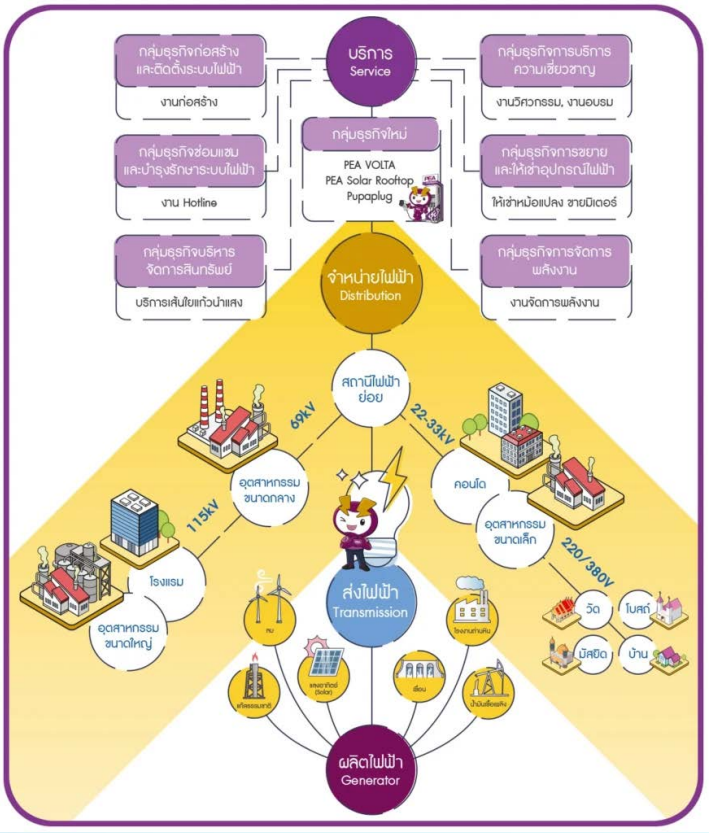
About

OSKA Holding Co., Ltd. was established in 1993 to engage in the business of information technology and household electronics, such as accessories for mobile phones, digital cameras, and notebooks. In particular, we are expert and professional in all types of battery solutions. The company was established with the goal of becoming a leader in the battery industry in Thailand by investing in modern technology and research and development (R&D) to create high-performance, safe, and environmentally friendly products. OSKA has expanded into the production and distribution of batteries for cars and various types of vehicles with the main objective of developing high-quality products to meet the needs of consumers and the ever-growing market.

OSKA has also established a comprehensive distribution network, both domestically and internationally, to ensure that the company's products can reach consumers globally. The company focuses on providing excellent aftersales service to create continuous satisfaction and confidence in the company's products. Additionally, the company emphasizes the development of its personnel and fostering an excellent corporate culture so that everyone in the organization can participate in driving the company towards sustainable success

About

The Provincial Electricity Authority (PEA), established in 1960, is a state-owned enterprise under the Ministry of Interior of Thailand. With over 30,000 employees, PEA provides reliable and standardized electricity services nationwide, serving the majority of Thailand's population and communities.

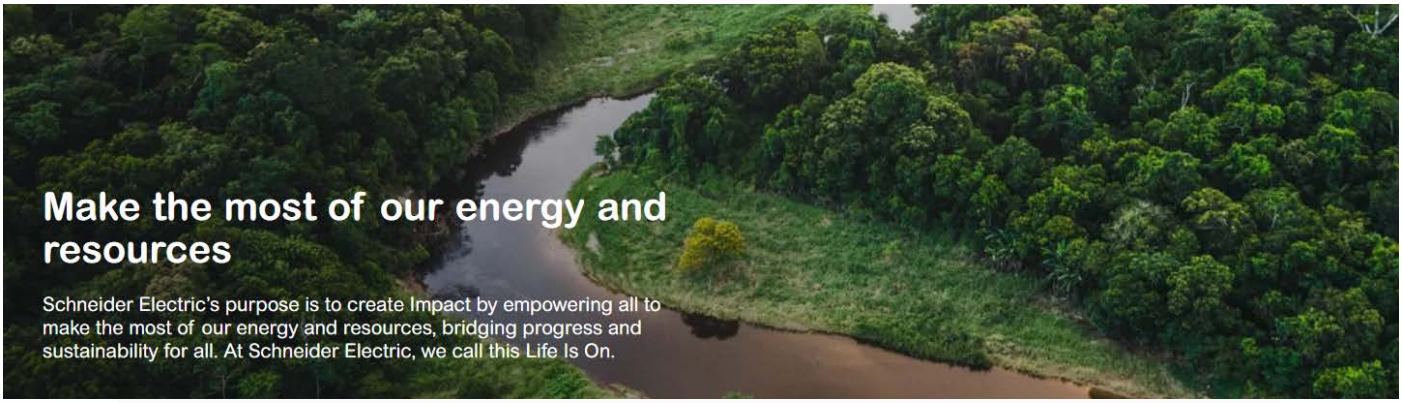


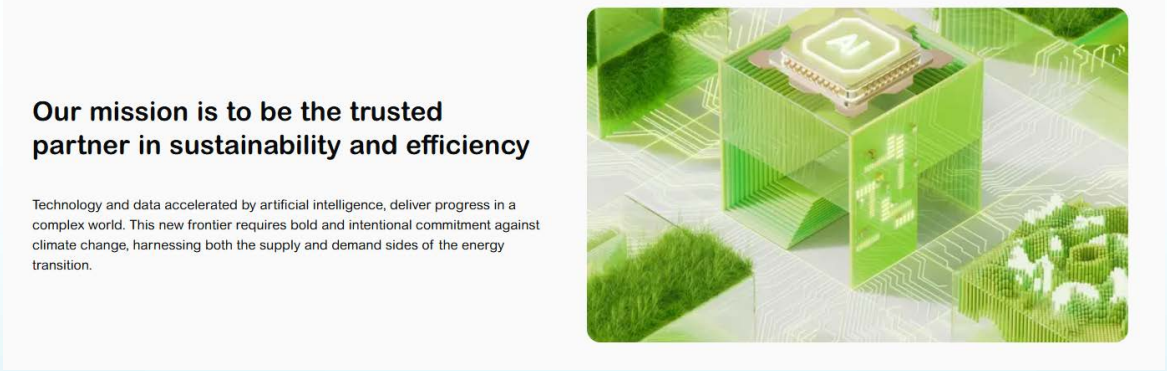
Guided by its vision of "Smart Energy for Better Life and Sustainability", PEA is committed to driving innovation in energy systems and supporting Thailand's clean energy transition. Its mission emphasizes the provision of high-quality electricity services and related businesses with a strong focus on customer satisfaction, achieved through continual corporate development while upholding social and environmental responsibility.

At the core of its operations, PEA values modernization, excellent service, and good governance. These principles guide the organization in building resilient energy infrastructure, integrating renewable energy, and promoting smart grids and energy storage solutions. With this holistic approach, PEA continues to ensure energy security, foster economic growth, and contribute to a sustainable future for Thailand.

About

Schneider Electric provides energy and automation digital solutions for efficiency and sustainability. We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure, and industries.





Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On.

About

SynVista Energy, headquartered in Singapore, is a leading provider of integrated energy storage system (ESS) solutions with operations across Asia, Europe, and the Americas. Recognized as a BloombergNEF Tier 1 manufacturer, the company offers end-to-end services spanning product development, manufacturing, system integration, deployment, and operation & maintenance (O&M).

SynVista delivers tailored solutions for grid-scale, microgrid, and commercial & industrial applications, supporting diverse use cases such as peak shaving, frequency regulation, renewable energy integration, and decentralized power systems.

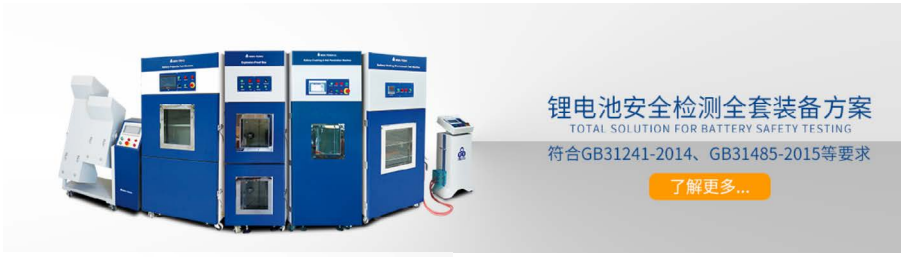
Guided by the mission to transform the global energy sector and foster sustainability, SynVista combines innovative technologies, high-quality integration, and flexible business models backed by strong investment capabilities. Its international management team and localized technical support ensure smooth project execution worldwide.

Through flexible design capabilities, SynVista integrates multiple battery chemistries, including LFP, LTO, and flywheel systems, while also offering extensive expertise in O&M, asset management, and technical services for new energy power plants. By optimizing global supply chains and advancing renewable adoption, SynVista Energy is helping shape a sustainable energy future.

About

KJ GROUP 深圳科晶 SZKEJING.COM SINCE 2001

SHENZHEN KEJING STAR TECHNOLOGY COMPANY is established in Shenzhen 2001. It is a national high-tech enterprise focusing on serving universities, research institutes and enterprise R&D departments. It has long been committed to building a safe, efficient and intelligent one-stop service platform for experimental R&D, empowering scientific research and industrial incubation.



SHENZHEN KEJING, the United States MTI,HEFEI KEJING and SHENYANG KEJING belong to the MTI-KEJING alliance. At present, a global service network to provide turnkey engineering solutions for scientists' laboratories has been built. Industry-academy research cooperation has been signed with Tsinghua University, Nankai University, Shanghai Jiao Tong University, Shenzhen University, AVIC Institute of Aviation Materials, Li Yang Tianmuhu Research Institute and more than 10 institutions of higher learning and enterprises.

SHENZHEN KEJING has become an overall solution provider for basic research, small-scale and pilot-scale product line, testing and evaluation. Its products are applied to graphene materials, advanced ceramics, nanophase materials, Li-ion batteries, supercapacitors, fuel cells, solid-state batteries, perovskite solar cells, functional films and other directions.

About

Takuni Group Public Company Limited, founded in 1995 and headquartered in Bangkok, Thailand, is a diversified energy and services company with a strong foundation in the trading and distribution of Liquefied Petroleum Gas (LPG).Over the years, the company has expanded its scope into a wide range of businesses that support both industry and communities nationwide.

Takuni Group and its subsidiaries operate across multiple sectors, including LPG trading, gas system installation, transportation services, industrial construction for oil and gas piping systems, engineering safety testing and non-destructive inspection services, and aerogel insulation solutions. The company also provides automotive gas system installation and certification services under recognized safety standards.

Beyond energy, Takuni has diversified into property development, food delivery services, and the manufacturing and assembly of electric vehicles and related components, including electric motorbikes. By integrating expertise in energy, engineering, and emerging technologies, Takuni Group is committed to supporting Thailand's sustainable growth and the transition toward a cleaner energy future.