

ASEAN's Largest International Exhibition and Conference on Renewable Energy, Energy Efficiency, Environmental and Electric Vehicle Technology

ASEAN's Specialized in Pumps, Valves, Pipes, Fitting and Hardware Trade Exhibition

ASEAN SUSTAINABLE ENERGY WEEK



Thu. - Sat.

14-16 OCTOBER 2021

P&V

PUMPS AND VALVES ASIA

Virtual Edition

asew-expo.com/VE



(24/7) Marketplace



Virtual Exhibition and Conference

(09.00 – 18.00 GMT+7)

Officially Supported by:



Supported by:



Co-organised Electric Vehicle Asia by:



- (24/7) Marketplace
- Virtual Exhibition and Conference (09.00 – 18.00 GMT+7)

About Organiser

- (24/7) Marketplace
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Informa Markets helps specialist markets to innovate and grow by enabling businesses to connect with customers, learn and trade. We organise over 500 large-scale branded and transaction-oriented events in 14 specialist markets.

15 sectors according to main product categories: Agriculture, Beauty & Aesthetics, Art, Design & Furniture, Fashion & Apparel, Healthcare & Pharmaceuticals, Infrastructure, Construction & Real Estate, Engineering, Manufacturing & Equipment, Media & Entertainment, Aviation & Aerospace, Energy, Utilities & Resources, Health & Nutrition, Hospitality, Food & Beverage, Jewellery, Maritime, Transportation & Logistics



500+

B2B Brands

14

Specialist Markets

5,000+

Colleagues

5.8m+

Attendees

4.6m+

(sqm) Exhibition
Space

40+

Countries

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ASEAN's Most Comprehensive International Exhibition and Conference on Renewable Energy, Energy Efficiency, Environmental and Electric Vehicle Technology

Virtual Edition

ASEAN
SUSTAINABLE
ENERGY WEEK

RE
RENEWABLE ENERGY ASIA

EE
ENERGY EFFICIENCY EXPO

EP
ENITECH POLLUTEC ASIA

EV
ELECTRIC VEHICLE ASIA



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ASEAN Sustainable Energy Week is a combination of...



RENEWABLE ENERGY ASIA

17th ASEAN's Largest and Most Comprehensive Renewable Energy Technology Exhibition and Conference



ENERGY EFFICIENCY EXPO

7th International Energy Efficiency Technology Exhibition



ENTECH POLLUTEC ASIA

31st International Exhibition of Environmental Protection and Pollution Control Technology



ELECTRIC VEHICLE ASIA

4th Thailand's Only Specialized International Electric Vehicle Technologies Exhibition & Conference

Renewable Energy Asia

Exhibitor Profile

• Sustainable Energy

Solar Energy | Bio – Energy | Biomass | Biogas | Biofuel | Hydro Energy | Wind Energy | Carbon Management

• Digital Solution

Energy Analysis | Testing and Evaluation | Smart Grids | Microgrids | Energy Management | System Design and related software | IT-Communication Devices and Infrastructures | Building and Home Network System | Application and System

• Technology | Component | Equipment | Manufacturer and Power Producer

IPP | SPP | VSPP | Inverter | Hydrogen | Heat Exchanger | Installation Technology | Monitoring Measuring and Control Technology | Energy Storage | Battery | Uninterruptible Power Supply (UPS) | Manufacturing Equipment | Generator | Cooling Systems | Facilities and Technologies

• Maintenance and Service

EPC Contractors / Project Developers | Consulting Services | Maintenance Repair and Operations | Financial Services | R&D | Energy Service Provider and other related

Visitor Profile

Business Owner and Developer | Company Management Level | Executive | Policy maker | Consultant | Plant Manager | Procurement & Purchasing Department | R&D | Contractor | Plant Department | Production Control | Industrial Park Manager | Academic and Institute | Local & Foreign Government and Environmental agencies | Research Institutions | Decision Maker | Provincial Leader | Mayors | State Authority

• Industry

Agricultural | Sugar Mill | Food and Animals' Feeds | Construction & Real Estate | Chemical industry | Cosmetics | Chemical | Pharmaceutical & Medical | Oil & Gas / Chemical & Petrochemical | Electric Power Generation industry - IPP | SPP | VSPP | Service - Hotel / Restaurant / Department store and retail / Warehouse / Hospital / Technology and Service Providers and Transportation | Engineering and Consultant - Energy, Factory, Real Estate, Forest Engineering Organisation, Biomass Electric Generating Business | Manufacturing industry | Air Conditioning & Refrigeration | Automotive Assemblers | Auto parts & Components | Plastic & Rubber | Iron Manufacture | Steel Metal Manufacture | Machine Manufacture | Textile & Garment | Pulp & Paper

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Energy Efficiency Expo

Exhibitor Profile

Carbon Process Management | Co-Generation power plant
| Cogeneration | Heat and Power | Power Inverter | Power Generation |
Combined Cycle Power Plant | Energy Management Systems | Energy
Storage System (ESS) |
Building Envelopes | Building Management Systems | Energy Saving
Systems | Monitoring and Measurements |
Motor and Drive Systems | Compressed Air Systems | Energy Service
Company (ESCO) | HVAC System and Control
(Heating / Ventilating / and Air Conditioning) | Process Control System |
Information Management Technology | Data Center | Information
Storage Systems | Lighting Systems | Lighting Systems (LED and Sky
lights) | Energy Engineering | Planning and Design Engineering |
Maintenance Services Providers

Visitor Profile

Policy Maker | Business Owner | Investor | Managing Member | Head of
Energy | Asset / Building / Facilities and Energy Manager | Electrical
Engineer | Principal Architect | Business Developer | Sustainability
Department | Construction & Real Estate Contractor | Lighting / Energy /
Factory / Real Estate Engineering and Consulting | Engineering
Procurement-Construction (EPC) / Plant & Facility / Purchasing /
Procurement / Operations / Maintenance / Technical Department
• **Industry / Manufacturing Industry**
Mining | Processing | Properties Owners and Commercial Properties |
Property Developer | Construction | Architects |
Power Producer Utilities and Municipalities | Power Generation | Service
Industry - Hotel / Restaurant / Department Store and Retail / Warehouse /
Hospital / Technology and Service Providers and Transportation | Non-
profit Organizations / University / Research | Institutions / Association /
Academic Institute / NGOs | Government and Regulator

Entech Pollutec Asia

Exhibitor Profile

- **Environmental management technology**

Air Pollution Analysis | Measurement | Control and Abatement | Air Cleaning | Environmental Management Technology | Equipment and Service | Control Equipment and System | Fans | Ventilators and Blowers | Cooling and Ventilation | Filtration Equipment | Instrumentation and Control | Laboratory Equipment | Swimming Pool Equipment and System | Environmental Consulting | Ecological and Environmental Protection Industrial Park | Environmental Service | Noise and Vibration Control Technology and Equipment | Environmental Monitoring

- **Power Transmission**

Power Transmission Equipment and System | Process Automation Equipment and System

- **Waste treatment technology**

Chemical Treatment Process | Hazardous Material Disposal | Waste Disposal Equipment | Incinerator and Solid Waste Disposal | Purifying Equipment | Recycling Plants and Equipment | Waste Management | Water Packing / Water Supply and Drainage | Water / Wastewater Treatment and Management | Reverse Osmosis | Water Pollution Control Technology and Equipment | Solid Waste Disposal Technology and Equipment | Soil and Groundwater Remediation Technology and Equipment

Visitor Profile

Business Owner and Developer | Company Management Level | Executive | Consultant | Plant Manager | Procurement & Purchasing Department | R&D | Contractor | Plant Department | Production Control | Enterprises Under Environmental Supervision | Academic and Institute | Foreign Government and Environmental Agencies | Research Institutions

- **Industry**

Agriculture | Food Processing | Sugar Mill | Animal's Feeds | Chemical | Plastic and Rubber | Cosmetic | Pharmaceutical & Medical | Petrochemical | Oil & Gas | Construction | Real Estate and Commercial

- **Manufacturing**

Air Condition & Refrigeration | Automobile (Assemblers / Auto parts and Components) | Iron / Steel & Machine | Printing | Packaging | Pulp & Paper | Textile & Garment | Electrical & Electronics

Electric Vehicle Asia

Exhibitor Profile

Electric Vehicle Component Manufacturer | Energy Storage Technology | Battery and Component Charging Station / EV Quick Chargers / Normal Charger | Battery Swap Technologies | Connectors / Cabin | Magnetic Contactor | Power & Energy Monitoring System / Testing | Rechargeable Batteries | Next-Generation Batteries | Motor Technologies / Automotive Motors / Parts and Materials | Control Modules / Software | Connectors | Harnesses | Design & Simulation | Drive System / System Providers | Software & Equipment | Providers | Solid State Distribution Equipment | Providers | Other related EV Technology and Service

Visitor Profile

Decision Maker | Policy Maker | Investor | Purchasing | Procurement | Engineering Operation | Product Developer | Consultancy | Government | State Enterprise

- **Automotive industry**

Automotive Components | Automation Equipment

- **Manufacturing industry**

Battery Components | Battery & Battery Material | Battery Pack Assembler / Integrator | Drivetrain | Fuel Cell | Magnetics

- **Non-profit Organizations- Academic Institute** | Association | Government | University | Research Institutions

- **Power plant industry** | Power Generation | Power Management | Power Monitoring

- **Service Industry**

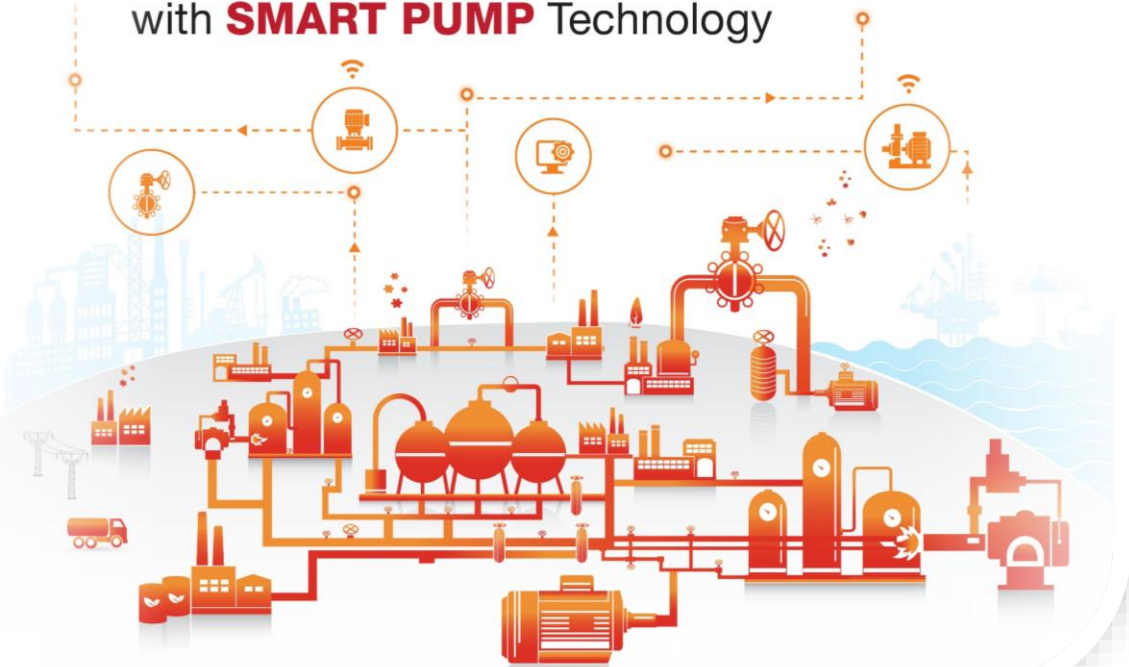
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Virtual Edition



Maximizing Business Opportunities with **SMART PUMP** Technology



Pumps & Valves Asia

Exhibitor Profile

Pumps: Chemical Pumps, Fire Pumps, Liquid Pumps, Sewage Pumps, Sludge Pumps, Stainless Steel Pumps, Vacuum Pumps, Water Pumps

Valves: Control Valves, Oil and Gas Valves, Rotary Valves, Safety Valves, Solenoid Valves, Steam Traps, Vacuum Valves

Pipes: Thermoplastic Pipes, PVC, CPVC, PP, PVDF, HDPE, PE, Steel Pipeline

Fittings Hardware: Tube and Fitting, Stainless, Rubber Flexible Tube

- Actuators, Electric Actuators, Expansion Joints
- Fluid Metering Equipment, Flow Meters, Diaphragm Metering Pumps, Hydraulic Tools
- Hydraulic and Pneumatic Valves, Pneumatic Pumps
- Temperature and Pressure Gauges, Pressure Regulators / Thermometers, Level Instruments

Visitor Profile

Executives, Plant Managers, Procurement & Purchasing, Engineer & Technicians, R&D, Academics and those with abiding interest from:

- Agriculture
- Air Condition & Refrigeration
- Energy Utilities & Power Business
- Automotive Parts, Components & Assembly
- Food and Agriculture Product
- Building & Construction
- Iron, Steel & Machine Manufacturers
- Chemical, Cosmetic, Pharmaceutical & Medical
- Petrochemical, Oil & Gas
- Education Institutes
- Plastic & Rubber
- Electrical & Electronics
- Printing & Packaging, Pulp & Paper

- (24/7) Marketplace
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ASEAN Sustainable Energy Week and Pumps & Valves Asia will be held via an online platform as Virtual Edition. Its aim is to recreate the exciting experience of a physical exhibition but on the digital medium. The virtual exhibition will bring together professionals from overall the world and offers interactive environment to connect and help to inspire Industry players. Also, these platforms provide features and tools dedicated to buyers and exhibitors' business engagement and networking opportunities. There will be various engagement tools and deep insight knowledge on the industry in order to support the growth of industry.

The highlights include virtual Marketplace and Conferences that provide industry with the essential information needed to adapt to the new reality. From 27 September – 16 October, all registered trade visitors will be able to gain 24-hour access to the online marketplace. This will enable them to search for a myriad of products and services. To avoid waiting time, a pre-matching service is also available to make advance appointments with exhibiting companies.

The meetings will take place during the show dates from **14-16 October where all functions within the system will be live including live chat, call and virtual conferences.** The virtual event is expecting to host more than **4,000 quality trade visitors** from all over ASEAN during the **three days.**

- (24/7) Marketplace
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Business Enhancement Solutions



Marketplace



Pre-Match



Conference

- (24/7) Marketplace
- Virtual Exhibition and Conference (09.00 – 18.00 GMT+7)

Highlight Features



Virtual Marketplace

A virtual marketplace that brings together leaders in technologies and innovations in Energy, Environment, Energy Efficiency, Electric Vehicles, Smart Pump Technologies, and other related industrial technologies from all over the world in one central location.



Online Meeting

A major feature for business linkage opportunities and also to build a network and engagement between manufacturers, entrepreneurs, and buyers for discussion and interaction through VDO Call.



Overseas Buyer Program

Program for Overseas Buyers which support and connect overseas buyers to participate in business matching.



Pre - Match

Advance appointment service in order not to miss specific business opportunities and avoid waiting time.



Exhibitor Recommendation List

Recommend list of exhibitors, products and services to suit your needs.



Virtual Conference

The comprehensive interactive webinars cover a wide range of topics, which draws an outstanding segment of Energy, Environment, Energy Efficiency, Electric Vehicles, Smart Pump Technologies, and market outlooks and industry, the conference will also provide a unique and valuable platform for knowledge transfer, promotional opportunities and networking with executives from top industry professionals.

- (24/7) Marketplace
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Virtual Marketplace



- (24/7) Marketplace
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Virtual Conference





Why ASEW Virtual Edition



Round the clock virtual marketplace – a showcase of energy and Environmental technologies and innovations.



Participation from over 150 major brands including those from Thailand, USA, China, Korea, Taiwan, Japan and many more!



Pre-matching and Online meeting service which aims to build business networks that enhance interaction for business linkage opportunities through live chat and video calls.



Next Innovation Centre showcases on **Innotech Talks** a stage for business sharing visions and **Energy Tech 4.0** present innovations as well as research prototypes from leading's universities in Thailand. more!



Content Hub - Participate in webinars and round-table discussions wherein you can learn from the industry experts & professionals

- (24/7) Marketplace
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Highlight Participating Companies on Marketplace:

ARROW DUCT

BayWa r.e.

BlueScope

Ciel
Terre

Clenergy

DELTA

Sansuisha

EuroVent

FIMER

GOODWE
YOUR SOLAR ENGINE

Jinko Solar

HUAWEI

LONGI Solar

MJURA

PEA
PROVINCIAL ELECTRICITY AUTHORITY

GPSC
SMART ENERGY FOR EVOLVING LIFE

panus

SANWA
HIGH QUALITY WATERWORKS PRODUCT

SMA

solar edge

SOLAR
PPM

SCG
International

STÄUBLI

Trina solar

UNICAL

EGAT

and many more....

Conference Schedule Day 1 (Morning Session)

Date	Time	Topics	Organised by	Conducted In
14 October 2021	09.30-10.30	Opening Ceremony – ASEW Virtual Edition Opening Remark and Keynote Address on “Thailand’s Carbon Neutrality Commitment and the Modernisation of the Power Sector” By Mr. Supattanapong Punmeechaow Deputy Prime Minister and Minister of Energy, Ministry of Energy, Thailand		
	10.30-12.15	REA Conference: Clean Energy Transition for Post-COVID Resilience in ASEAN	The Joint Graduate School of Energy and Environment – JGSEE King Mongkut University of Technology Thonburi (KMUTT)	English
	10.00-12.00	Thai Wind after the Time of COVID	Thailand Wind Energy Association (ThaiWEA)	Thai & English
	10.00-12.00	ชุมชนกับโรงไฟฟ้า: รวมมิตร ร่วมสร้าง ด้วยกัน	Waste to Energy Trade Association	Thai
	10.00-12.00	ความสำคัญของมาตรวิทยาต่อมาตรฐานและการใช้พลังงานอย่างมีประสิทธิภาพ	National Institute of Metrology	Thai
	10.00-12.00	Opening Ceremony ขับเคลื่อนเศรษฐกิจสีเขียวให้ก้าวไกล พัฒนาอุตสาหกรรมไทยให้ยั่งยืน (Green Economy to SDGs)	Department of Industrial Works, Ministry of Industry	Thai

Conference Schedule Day 1 (Afternoon Session)

Date	Time	Topics	Organised by	Conducted in
14 October 2021	13.30-16.30	REA Session 1: SMART CITY – Technology, Policy and Success cases	The Joint Graduate School of Energy and Environment – JGSEE King Mongkut University of Technology Thonburi (KMUTT)	English
		REA Session 2: Future Energy System		
		REA Session 3 : Bio, Circular and Green Economy for Sustainable Development		
		REA Session 4: Environment and Climate		
	13.30-16.30	iEVTech Opening Ceremony: Moving towards Carbon Neutral Society: Global Cooperation in Electric Mobility – The Ambassador Forum Registration Fee	Electric Vehicle Association of Thailand (EVAT)	English
	13.30-16.30	ขับเคลื่อนเศรษฐกิจสีเขียวให้ก้าวไกล พัฒนาอุตสาหกรรมไทยให้ยั่งยืน (Green Economy to SDGs)	Department of Industrial Works, Ministry of Industry	Thai

Conference Schedule Day 2 (Morning Session)

Date	Time	Topics	Organised by	Conducted in
15 October 2021	09.00-12.00	iEVTech : Role of EV toward Carbon Neutrality Registration Fee	Electric Vehicle Association of Thailand (EVAT)	English
	09.00-12.00	iEVTech : EV Bus	Electric Vehicle Association of Thailand (EVAT)	English
	09.00-12.00	ขับเคลื่อนเศรษฐกิจสีเขียวให้ก้าวไกล พัฒนาอุตสาหกรรมไทยให้ยั่งยืน (Green Economy to SDGs)	Department of Industrial Works, Ministry of Industry	Thai
	09.30-16.30	The AI and 5G for the Evolutionizing Data Centers	King Mongkut's Institute of Technology Ladkrabang (KMITL), Datacenteruniversity.org	Thai
	09.00-15.30	ASEAN Bioenergy and Bioeconomy Conference	Kasetsart Agricultural and Agro-Industrial Product Improvement Institute (KAPI)	English
	10.00-12.00	TBC	Water and Environment Institute for Sustainability (WEIS) The Federation of Thai Industries	Thai

Conference Schedule Day 2 (Afternoon Session)

Date	Time	Topics	Organised by	Conducted in
15 October 2021	13.30-15.30	RE100 Thailand : Heading for Carbon Emission Net Zero	Renewable Energy Industry Club (RE- Club) The Federation of Thai Industries	Thai
	13.30-16.30	Energy Storage in Grid System: Technology advancement, Usage, and Policy ระบบกักเก็บพลังงานในระบบพลังงาน: เทคโนโลยี การใช้งาน และนโยบายสนับสนุนที่จำเป็น	Thailand Energy Storage Technology Association (TESTA)	Thai
	14.00-16.00	The Potential of Integrated Urban Energy Systems	Asia Pacific Urban Energy Association (APUEA)	English
	14.00-16.00	ขับเคลื่อนเศรษฐกิจสีเขียวให้ก้าวไกล พัฒนาอุตสาหกรรมไทยให้ยั่งยืน (Green Economy to SDGs)"	Department of Industrial Works, Ministry of Industry	Thai
	13.30-16.30	iEVTech : EV knowledge sharing Registration Fee	Electric Vehicle Association of Thailand (EVAT)	English
	13.30-16.30	iEVTech : Taiwan Mobility Session Registration Fee		

Conference Schedule Day 3

Date	Time	Topics	Organised by	Conducted in
16 October 2021	09.00-12.00	ขับเคลื่อนเศรษฐกิจสีเขียวให้ก้าวไกล พัฒนาอุตสาหกรรมไทยให้ยั่งยืน (Green Economy to SDGs)	Department of Industrial Works, Ministry of Industry	Thai
	10.00-12.00	การปรับตัวของชุมชนพลังงานและชุมชนเกษตรอัจฉริยะ ในยุค New Normal	Thailand Renewable Energy for Community Association (TRECA)	Thai
	13.00-17.00	นวัตกรรมฐานรากพัฒนายั่งยืนสู่ก้าวไกลระดับโลก (Innovation for Sustainable Development to Global Goal)	The Association of Researchers	Thai
	13.30-16.30	ขับเคลื่อนเศรษฐกิจสีเขียวให้ก้าวไกล พัฒนาอุตสาหกรรมไทยให้ยั่งยืน (Green Economy to SDGs)	Department of Industrial Works, Ministry of Industry	Thai
	14.00-16.00	การจัดการประเด็นอากาศ ด้วยกฎหมาย (TBC)	Thailand Clean Air Network	Thai

Special Activity - Energy Tech 4.0

A featured zone where various leading universities present their research results and studies on energy, environment and prototype for the private sector or those who are interested in leveraging these ideas for commercial use.

Organized by	Topic	Highlight
Prince Of Songkla University Faculty of Environmental Management	PSU Solar Wind Street Lighting	<ol style="list-style-type: none"> 1.The new design of Vertical Axis Wind Turbine for low speed wind. 2. The combination between solar and wind energy were generated electricity together for take lighting over night. 3. This street lighting can be highly performed when installed at beach, mountain and island.
Chiang Mai University Energy Research and Development Institute - Nakornping	CMU Smart City; Sustainable Showcases in Energy and Environment	Presenting key figures and experiences in implementing full-scale campus waste to energy and other renewable energy management.
Kasetsart University Kasetsart Agricultural and Agro-Industrial Product Improvement Institute (KAPI)	KU-Biomass ISO Laboratory	<ul style="list-style-type: none"> - Information about properties and quality of solid biofuel. - Classification of biomass standards - Pretreatment for high-quality solid biofuel - Consultancy and property test services

Organized by	Topic	Highlight
Siam Technology College (STC)	Reap to Electric Vehicle Era and Made-in-Thailand Technology	STC has set the goal to be one of leaders in EV innovation in Thailand education sector. STC is responding to the transformation of the technology and set the research plan for short term and medium term to make Thailand become an EV society.
King Mongkut's University of Technology North Bangkok, College of Industrial Technology	Electrical hybridization: the future of EVs?	Presents four possible structures used to hybrid a pack of supercapacitors into the main batteries to provide the dynamic powers for EVs. The simulation and experimental results showed the hybridization of the batteries and a pack of supercapacitors in various conditions to increase the life cycle of the batteries. In addition, the analysis shows the energy management of the hybrid system and the electrical behaviors of both sources. Finally, the comparison between the advantages and limitations of each topology is also included.
Prince of Songkla University Faculty of Faculty of Science and Technology	Biohydrogen Production from Dark Fermentation Effluent by Using MFC-MEC Coupled System	Bio electrochemical system, Microbial Fuel cell (MFC) and Microbial Electrolysis Cell (MEC). The MFC-MEC coupled system is effective and sustainable to producing enriched H2 biogas
Rajamangala University of Technology Rattanakosin Rattanakosin College for Sustainable Energy and Environment (RCSEE)	Thermal properties and Fire behavior of wall plastered with PS and hemp fiber	An alternative material for concrete aggregate. Plastic waste is an attractive alternative for both ecological and commercial reasons.

Organized by	Topic	Highlight
<p>King Mongkut's University of Technology Thonburi (KMUTT) Chulachomklao Royal Military Academy (CRMA)</p>	<p>Novel Spiral Fin-and-Tube Heat Exchangers for Innovative Applications</p>	<p>Presents an innovative patent (US. Patent) by Thai researcher, which is important for engineers, researchers, technologists, and others, leading to energy-saving evolution of Thailand.</p>

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Continuous Supporter

Official Supported by:



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Conference Partners:



THANK YOU



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