

EVENT FACTSHEET

SETA 2025

Sustainable Energy Technology Asia

Partnering with



SOLAR+
STORAGE
EXPO 2025

ASEAN'S PREMIER SUSTAINABLE ENERGY PLATFORM

22 - 24 October 2025



POWER &
ELECTRICITY



GRID
MODERNIZATION



RENEWABILITY



ENERGY
STORAGE



HYDROGEN
& AMMONIA



GREEN
INFRASTRUCTURE



GREEN
INDUSTRIAL
BUILDING



MOBILITY



SAFETY &
SECURITY

10,000+ Participants

300+ Exhibitors

BITEC Bangna, Bangkok, Thailand

PART OF

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Sustainable Energy Technology Asia

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INTERNATIONAL

ABOUT US



About Green Power Expo 2025 (GPX 2025)

Green Power Expo 2025 (GPX 2025) is Thailand's premier trade event exclusively dedicated to accelerating Thailand's transition to a sustainable and green energy future. With a focus on renewable energy innovations, this expo aims to facilitate meaningful discussions and foster partnerships that will drive the country's clean energy revolution. By addressing policy updates, global market readiness, and local engagement, the event provides a platform for industry leaders, stakeholders, and consumers to unite in support of green energy solutions.

Empowering Innovation and Collaboration

As Thailand updates its policies to prioritize renewable energy, the Green Power Expo serves as a crucial space for businesses and innovators to learn, collaborate, and showcase their commitment to a cleaner future. Whether it's introducing new laws to support the green energy sector or ensuring Thailand's readiness to meet the global demand for sustainable power, this expo is where the future of energy is shaped. It provides an invaluable opportunity for professionals to exchange ideas, find solutions to energy challenges, and build partnerships that will drive the clean energy sector forward.



Why Attend Green Power Expo 2025?

Unlocking Policy for Green Energy Growth

Gain valuable insights into Thailand's evolving renewable energy policies and understand how new laws will shape the future of the energy sector, creating exciting opportunities for businesses.

Preparing for Global Demand

Learn how Thailand is positioning itself to meet the growing global demand for green power and discover the technologies and strategies that will ensure its competitive edge in the international market.

Engaging Thai Stakeholders

Collaborate with businesses, government, and citizens to embrace the transition to renewable energy. The expo provides key networking opportunities and empowers local stakeholders to drive Thailand's green energy competitiveness.

ABOUT US - SSE 2025 (Co-Located Event)



About Solar+Storage Expo 2025 (SSE 2025)

Solar+Storage Expo 2025 (SSE 2025) is Thailand's premier trade event exclusively dedicated to solar energy and energy storage technologies. This groundbreaking platform is designed to tackle the nation's energy security challenges while accelerating its transition toward a zero-emission future. As Thailand's first dedicated expo for clean energy solutions, SSE 2025 will showcase cutting-edge innovations critical to addressing the global energy crisis, enhancing energy resilience, and driving sustainable growth in the region.

Empowering Innovation and Collaboration

SSE 2025 is tailored for technology providers, innovators, and solution experts, offering a unique opportunity to connect directly with key decision-makers and stakeholders in Thailand's rapidly evolving energy sector. It serves as a vital hub for businesses, government representatives, and industry leaders to discuss, collaborate, and advance the energy transition agenda.



Why Attend Solar+Storage Expo 2025?

A Hub for Innovation and Growth

SSE 2025 will bring together hundreds of solar and energy storage service providers, manufacturers, and innovators, showcasing the latest solutions and technologies driving the clean energy revolution.

Policy-Driven Opportunities

Thailand's proactive government policies and initiatives are fostering substantial growth in the solar and energy storage sectors. Coupled with expanding grid infrastructure and rising energy demands, the event offers unparalleled opportunities for investment, innovation, and collaboration.

Focus on Energy Solutions

Energy storage technologies are poised to play a critical role in ensuring energy reliability, from supporting electric grids to enabling the growth of electric vehicles. With proven potential to reduce costs and enhance energy efficiency, energy storage solutions are pivotal to achieving Thailand's long-term sustainability goals.

A Platform for Practical and Affordable Solutions

SSE 2025 will spotlight practical solutions to help Thai businesses and households lower electricity costs, increase energy efficiency, and transition to a more sustainable energy future.

WHY US?

GPX 2025: Shaping the Future of Thailand Green Energy



GPX 2025 It's more than just a trade show—it's a comprehensive experience that covers the entire energy cycle, from green power generation to grid integration, and the application of electricity in large-scale consumer usage. The event will feature the latest advancements in technology and explore innovative business models to accelerate the adoption of clean energy solutions.

With a focus on addressing the most pressing challenges facing the energy industry, GPX 2025 will provide actionable insights and transformative solutions, creating a global impact in the journey toward energy security and sustainability.

Who Should Attend?

- Solution Providers showcasing cutting-edge solar and energy storage technologies
- Investors seeking high-growth opportunities in the renewable energy market
- Policymakers and regulators shaping the future of clean energy adoption Industry
- Leaders driving advancements in solar and energy storage sectors
- Large-Scale End-Users, including:
 - Utility Companies exploring renewable energy integration and storage solutions
 - Grid Operators addressing challenges in grid stability and energy reliability
 - Commercial and Industrial Facilities aiming to optimize energy efficiency, reduce costs, and ensure sustainable operations
 - GPX 2025 is a must-attend event for anyone invested in Thailand's green energy transformation, offering unparalleled opportunities to connect, collaborate, and innovate in the solar and energy storage industries.



Join Us at GPX 2025 in Bangkok

Mark your calendar for 22nd to 24th October, 2025, and join us at BITEC Bangna, Bangkok, for this transformative event. Don't miss your chance to be a part of the clean energy revolution shaping Thailand and the world.

We look forward to welcoming you to GPX 2025, where innovation meets opportunity. Together, let's shape the future of energy!

EVENT FACTS



Event Name	Green Power Xpo 2025 Tradeshow
Theme	
Website	www.setaasia.com and www.setaconnext.com
Event Date	22 - 24 October 2025
Venue	BITEC Bangna, Bangkok, Thailand
Projection for Participants	10,000+ Participants 300+ Exhibitors

Organiser	GAT International Co., Ltd.
Partners	World Battery & Energy Storage Industry Expo Federal of Thai Industries-Renewable Energy RE100 Security &Sustainability Thailand Association



Who attend GPX 2025?

Residential and Commercial Solar Installers	Datacenter & Infrastructure Providers
Utility Companies and Grid Operators	Government and Policy Makers
Large-Scale Companies	Renewable Energy Developers and
Commercial and Industrial Facility Managers	Installers
EV Manufacturers and Infrastructure Providers	Renewable Energy Startups Energy Researchers and Academics

EXHIBITOR PROFILE



Power Generation and Utilities

Electricity Generation Systems

- Thermal power plants (coal, gas, nuclear)

- Renewable energy power generation (solar, wind, hydro)

- Combined heat and power (CHP) systems

- Biogas and biomass plants

Energy Transmission & Distribution

- High-voltage transmission systems

- Smart grid solutions

- Substation equipment

- Voltage regulation systems

Utility Services

- Grid optimization and automation

- Power quality management

- Energy trading and demand response

Utility Management Solutions

- Advanced metering infrastructure (AMI)

- Energy consumption monitoring and analytics

- Digital twins and simulation models for utility networks

EXHIBITOR PROFILE



Renewability

Solar Energy Systems

Photovoltaic (PV) panels (monocrystalline, polycrystalline, thin-film)

Solar inverters (string, central, microinverters)

Solar battery storage systems (lithium-ion, flow batteries, hybrid solutions)

Wind Energy Systems

Onshore and offshore wind turbines

Wind energy storage and grid integration

Hydropower Solutions

Hydroelectric plants and systems

Small-scale hydropower systems

Bioenergy

Biomass power plants

Biogas production and storage

Waste-to-energy systems

Renewable Energy Storage

Integrated energy storage solutions

Advanced battery systems and technologies

Hybrid storage solutions for renewables

EXHIBITOR PROFILE



Mode of Use for Electricity

Industrial

- Energy-efficient equipment (motors, pumps, compressors)
- Industrial automation and smart grids
- Renewable-powered factories and manufacturing facilities
- Waste heat recovery systems
- Energy consumption optimization tools for factories

Building

- Solar panels and energy storage for buildings
- Smart grid and energy management systems for residential/commercial use
- Building Integrated Photovoltaics (BIPV)
- Energy-efficient HVAC systems
- Smart meters and energy monitoring for buildings
- Solar water heating systems
- Green roofs and insulation technologies

Mobility

- Electric vehicle charging stations and infrastructure
- EV battery systems and charging solutions
- Smart charging solutions for homes and public areas
- Vehicle-to-grid (V2G) technologies
- EV fleet management systems
- Electric buses and vehicles for public transport
- Charging systems for electric two-wheelers

EXHIBITOR PROFILE



Energy Green Infrastructure

Green energy microgrids and smart grid technologies

Wind and solar-powered infrastructure

Green building and construction materials

Eco-friendly urban planning and design

Zero-energy buildings and net-zero communities



Safety and Security for Green Power

Safety Systems for Renewable Energy

Fire protection for solar energy systems (e.g., fire-resistant solar panels)

Emergency shutdown and protection systems for renewable power plants

Surge protection systems for wind and solar energy equipment

Cybersecurity for Energy Systems

Protection against cyber threats for grid and renewable infrastructure

Smart grid security and authentication protocols

Data protection and monitoring systems for energy management

Monitoring and Maintenance

Real-time monitoring of renewable energy systems (solar, wind, etc.)

Predictive maintenance tools for green power systems

Remote diagnostics and fault detection for power plants

Regulatory Compliance & Certification

Safety standards and certification for renewable energy equipment

Environmental compliance systems for green energy projects

Safety audits for renewable energy infrastructure

EXHIBITOR PROFILE



Solar Energy Products

Solar Panels/Modules

Monocrystalline, polycrystalline, and thin-film panels

Bifacial and transparent solar panels

Inverters

String inverters

Central inverters

Microinverters

Solar Batteries and Energy Storage Systems

Lithium-ion batteries

Flow batteries

Hybrid storage solutions

Solar Mounting and Racking Systems

Fixed-tilt structures

Tracking systems (single-axis and dual-axis)

Photovoltaic (PV) Cells and Materials

Silicon wafers

Advanced solar cell technologies (e.g., perovskite cells)

Off-Grid and On-Grid Solar Kits

Home solar systems

Portable solar kits

EXHIBITOR PROFILE

Solar Water Heating Systems

- Domestic and industrial solar water heaters

Solar Lighting Systems

- Solar streetlights

- Solar garden lights

- Emergency solar lights

Solar-Powered Appliances and Devices

- Solar pumps

- Solar refrigerators

- Solar chargers

Balance of systems

- PV monitoring, measuring and control technologies

- Building Integrated Solutions (BIPV)

- Stand-alone systems, off-grid systems

- Small solar devices

- ICT, PV software

- PV components (cables, connectors, junction boxes, etc.)

- Mounting systems, installation aids Tracking systems

EXHIBITOR PROFILE

Solar Thermal Technologies

Collectors, swimming pool absorbers

Building integrated solutions (Facades, etc.)

Process heat

Air conditioning and cooling

Solar Power Plants

PV systems for residential buildings

Roof-mounted PV systems for commercial and industrial applications

EPC contracting / project development for solar plants

Electric Vehicle (EV) Solar Integration

Solar carports

Solar charging stations



Solar Services and Solutions

Project Development and EPC (Engineering, Procurement, and Construction)

Operations and Maintenance (O&M) Services

Solar Panel Recycling Services

Feasibility Studies and Site Assessments Consulting and Financial Services for

Solar Projects Energy Management and Optimization Services

EXHIBITOR PROFILE



Solar Technologies and Innovations

Smart Solar Solutions

- IoT-enabled solar devices

- AI-based solar monitoring systems

Microgrid and Off-Grid Solutions

- Remote and rural solar power systems

Energy Storage Technologies

- Advanced battery management systems (BMS)

- Integration of solar with grid and storage

Solar Tracking Systems

- Advanced solar trackers



Energy Storage and Battery Products

Battery Technologies

- Lithium-ion batteries (LFP, NMC, etc.)

- Solid-state batteries

- Flow batteries (e.g., vanadium redox, zinc-bromine)

- Sodium-ion batteries Lead-acid and advanced

- lead-carbon batteries Nickel-based batteries

EXHIBITOR PROFILE

Battery Components and Materials

- Electrolytes (liquid, solid, or gel)

- Battery cells and modules

- Anodes (e.g., graphite, silicon)

- Cathodes (e.g., cobalt, manganese, nickel)

- Separators and casings

Battery Packs and Systems

- Residential battery systems

- Commercial and industrial battery systems

- Utility-scale energy storage solutions

Portable and Mobile Energy Storage

- Power banks

- Energy storage for recreational vehicles (RVs)

- Mobile battery units for disaster recovery

Energy Storage Devices for Specific Applications

- EV batteries for electric vehicles

- Storage for renewable energy (solar, wind, etc.)

- UPS (Uninterruptible Power Supply) systems

EXHIBITOR PROFILE

Hybrid Energy Systems

- Battery integration with solar PV or wind systems

- Fuel cell and battery hybrid solutions

Specialized Energy Storage Systems

- High-temperature thermal energy storage

- Compressed air and flywheel energy storage



Energy Storage Services

Battery Manufacturing and Assembly

- Custom-designed battery systems

- Large-scale battery production

Battery Testing and Certification Services

- Safety and performance testing

- Compliance with international standards

Battery Recycling and Repurposing Services

- Recycling lithium-ion and lead-acid batteries

- Second-life applications for EV batteries and ESS

Energy Storage Project Development

- Planning, engineering, and commissioning of energy storage projects

EXHIBITOR PROFILE

Maintenance and Management Services

- Battery health monitoring

- Lifecycle management and predictive maintenance

Consulting and Engineering Services

- Feasibility studies for storage projects

- Design and integration services

- Operations and Maintenance (O&M) for ESS



Energy Storage Solutions

Smart Energy Management Systems (EMS)

- AI-based energy management platforms

- Real-time battery performance monitoring systems

Microgrid and Off-Grid Energy Storage

- Islanded systems for remote areas

- Community-based energy storage

Peak Shaving and Load Management

- Solutions for energy demand optimization

Grid-Scale Storage

- Frequency regulation

- Voltage support systems

EXHIBITOR PROFILE

Energy-as-a-Service (EaaS)

- Subscription models for battery storage

- Pay-as-you-go energy storage solutions

Microgrid and Off-Grid Solutions

- Community energy storage systems

- Backup power systems for rural areas

Grid-Scale Energy Storage Solutions

- Peak shaving and load balancing systems

- Frequency regulation and grid stabilization

Energy Management Systems (EMS)

- Software solutions for storage optimization

- AI-driven energy forecasting tools

Vehicle-to-Grid (V2G) and Vehicle-to-Home (V2H) Solutions

Hybrid Energy Systems

- Combining battery storage with renewable sources like solar, wind, or hydro

EXHIBITOR PROFILE

Technologies and Innovations

Battery Management Systems (BMS)

- Advanced BMS for optimal performance and safety

- AI-powered predictive analytics for batteries AI-driven fault detection in batteries

Vehicle-to-Grid (V2G) and Grid-to-Vehicle (G2V) Technologies

- Bi-directional EV charging and energy sharing

Thermal Management Solutions for Batteries

- Cooling and heating systems for battery longevity and high-capacity batteries

- Advanced thermal management materials

Digital Twins for Energy Storage

- Simulations for optimizing storage operations

Energy Storage Integration Software

- Platforms for integrating batteries with renewable energy sources

Advanced Manufacturing Techniques

- 3D printing of battery components

- Automation in battery assembly

EXHIBITOR PROFILE

Wireless Charging and Energy Transfer

Long-Duration Energy Storage (LDES)

Technologies for storing energy for 10+ hours

Energy Storage Analytics and Monitoring

IoT-enabled battery monitoring devices

Cloud-based energy storage data platforms

Second-Life Battery Technologies

Innovations in repurposing EV batteries for ESS

Advanced Materials for Energy Storage

Graphene-based solutions High-

capacity electrodes

Next-Generation Batteries

Innovations in zinc-air and aluminum-air batteries

Research-based technologies like quantum batteries

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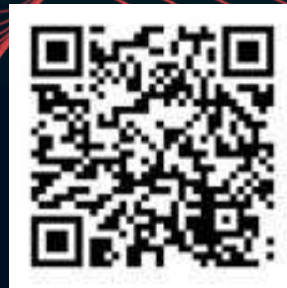


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