



The Battery Show Asia, Energy Storage Asia and Mobility Tech Asia 2026 Conference

March 10-12, 2026, at AsiaWorld-Expo, Hong Kong

Conference Overview

The Battery Show Asia 2026, co-located with Energy Storage Asia and Mobility Tech Asia, is a premier platform showcasing the latest innovations in battery, energy storage, and mobility technologies. The event brings together leading industry players, technology innovators, and global professionals across the value chain.

The conference program features 15 focused tracks covering industry development, international collaboration, technological innovation, and emerging market applications. With over 150 industry experts and business leaders sharing their insights, the event is expected to attract more than 1,000 delegates from around the world.

Conference Agenda At-A-Glance

Time	Conference Agenda
March 10-Day One	
10:00-10:30	Opening Ceremony & Opening Addresses
10:30-12:30	Plenary Keynotes: Innovation & Convergence: Powering Sustainable Growth in Global Battery Technology, Energy Storage, and E-Mobility
14:00-17:00	TBSA Tech Track A: Next-Gen Battery Manufacturing & Quality Assurance
14:00-16:40	TBSA Tech Track E: Battery Recycling and Sustainable Development
14:00-17:40	International E-Mobility Charging & Battery Swapping Innovation Summit
March 11-Day Two	
10:30-16:20	International Energy Storage Technology & Application Summit (Keynotes)
	International Energy Storage Technology & Application Summit
10:30-12:50	TBSA Tech Track D: Advanced Battery Technologies and Emerging Trends
10:30-12:30	TBSA Tech Track F: AI and Digital Innovation in Battery Technology
10:30-12:55	Southeast Asia New Energy Market Analysis and Industry Collaboration Forum
13:20-15:20	Market Trend Insights Forum on Battery & E-Mobility
15:30-17:50	TBSA Tech Track B: Comprehensive Battery Safety Solutions Across Lifecycle
13:20-15:35	EV Technology Innovation Summit
15:45-18:00	International Hydrogen Technology and Industry Summit
15:30-17:50	Open Tech Forum: Emerging Applications of Battery and Electric/Hybrid Technology
March 12-Day Three	
10:30-12:50	TBSA Tech Track C: Solid-State Battery Technology and Application
10:30-12:30	Battery and E-Mobility Investment Forum



Opening Ceremony & Opening Addresses

- Time: 10:00-10:30, March 10
- Location: Main Stage, Hall 8

Plenary Keynotes

Innovation & Convergence: Powering Sustainable Growth in Global Battery Technology, Energy Storage, and E-Mobility

This high-level plenary session brings together global leaders and industry pioneers in battery technology, energy storage, and e-mobility for visionary keynotes and executive dialogues. The session will delve into the latest policy frameworks, market transformations, and technological breakthroughs that are driving sustainable growth and shaping the future of the global energy and mobility ecosystem.

- Time: 10:30-12:30, March 10
- Location: Main Stage, Hall 8

TBSA Tech Tracks

The TBSA Tech Tracks feature six thematic conferences covering key topics such as battery manufacturing, battery safety, advanced battery technologies, solid-state batteries, battery recycling, and the application of AI in battery systems. Global technical experts and strategic leaders across the battery industry will share innovative solutions and explore industrial pathways, driving the next wave of technological advancement.

TBSA Tech Track A: Next-Gen Battery Manufacturing & Quality Assurance

- Conference Date: March 10, 2026
- Location: Conference Room A, Hall 3

Time	Agenda
13:30-13:35	Opening by Moderator
13:35-13:55	Advanced Testing Practices for Next-Generation EV Batteries
13:55-14:15	Accelerated Aging Methods for Lifetime Prediction
14:15-14:35	Novel Processes and Equipment for Consistent Cell Manufacturing
14:35-14:55	Intelligent Quality Monitoring Systems in Production
14:55-15:35	Panel Discussion: West Meets East - Global Battery Cell Dialogue
15:35-15:55	Advances In Electrode Coating and Defect Inspection
15:55-16:15	Process Optimization for Yield Improvement and Cost Reduction
16:15-16:35	Supply Chain Stability and Quality Management Practices
16:35-16:55	AI Applications for Battery Manufacturing Value Chain
16:55-17:05	Q&A



17:05-17:10	Conference Close
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TBSA Tech Track B: Comprehensive Battery Safety Solutions Across Lifecycle

- Conference Date: March 11, 2026
- Location: Conference Room A, Hall 3

Time	Agenda
15:30-15:35	Opening by Moderator
15:35-15:55	Design for Safety: Approaches to Battery Architecture and Thermal Management
15:55-16:15	Safe Manufacturing Practices: Minimizing Defects and Ensuring Quality in Battery Production
16:15-16:35	Comprehensive Risk Management, Assessing and Mitigating Hazards Across Battery Cycle
16:35-16:55	Advances In Fire Protection and Suppression for Battery System
16:55-17:15	Safety In Battery End-Of-Life Handling, Recycling and Second-Use Applications
17:15-17:35	Cooling Systems and Mitigation of Thermal Runaway
17:35-17:45	Q&A
17:45-17:50	Conference Close

TBSA Tech Track C: Solid-State Battery Technology and Application

- Conference Date: March 12, 2026
- Location: Conference Room A, Hall 3

Time	Agenda
10:30-10:35	Opening by Moderator
10:35-10:55	Global Competition Landscape and Technology Roadmap for Solid-State Batteries
10:55-11:15	Safety and Performance Advantages of Solid-State Batteries for EVs
11:15-11:35	Material Innovations Driving Solid-State Battery Development
11:35-11:55	From Lab to Market: Scaling Up Solid-State Battery Manufacturing
11:55-12:15	Solid-State Batteries: Unlocking Energy Storage Advancements
12:15-12:35	Beyond EVs: Expanding Solid-State Battery Applications in Consumer Electronics and Grid Storage
12:35-12:45	Q&A
12:45-12:50	Conference Close

**TBSA Tech Track D: Advanced Battery Technologies and Emerging Trends**

- Conference Date: March 11, 2026
- Location: Conference Room A, Hall 3

Time	Agenda
10:30-10:35	Opening by Moderator
10:35-10:55	Future Development Directions and Industrialization Trends of Advanced Battery Technologies
10:55-11:15	Technological Breakthroughs and Commercialization Pathways of Sodium-Ion Batteries
11:15-11:35	High-Power Battery Design and Application Prospects
11:35-11:55	Design and Development of High-Performance Large Cylindrical Batteries
11:55-12:15	Innovative Battery Systems: Lithium-Sulfur, Multivalent-Ion, and Zinc-Ion Batteries
12:15-12:35	Standards and Certifications for Emerging Battery Technologies
12:35-12:45	Q&A
12:45-12:50	Conference Close

TBSA Tech Track E: Battery Recycling and Sustainable Development

- Conference Date: March 10, 2026
- Location: Conference Room B, Hall 6

Time	Agenda
14:00-14:05	Opening by Moderator
14:05-14:25	Battery Recycling and Raw Material Recovery: Technologies and Innovations in Chemical Separation, Direct Recycling and Closed-Loop Systems
14:25-14:45	Business Models and Technical Pathways for Repurposing EV Battery Packs: Certification, Testing and Safety Protocols
14:45-15:05	Second-Life Battery Examples: Energy Storage Projects Using Retired EV Batteries, Micro-Grid Integration and Lifecycle Assessment
15:05-15:25	Solutions for Circularity in Battery Ecosystems, Policy Incentives, Take-Back Schemes, OEM-End-Of-First-Life Partnerships
15:25-15:45	Battery Recycling Landscape: Market Dynamics, Government Policies and Incentives, Emerging Technology Players, Interstate/ International Collaboration
15:45-16:25	Panel Discussion
16:25-16:35	Q&A
16:35-16:40	Conference Close

**TBSA Tech Track F: AI and Digital Innovation in Battery Technology**

- Conference Date: March 11, 2026
- Location: Conference Room B, Hall 6

Time	Agenda
10:30-10:35	Opening by Moderator
10:35-10:55	AI-Driven Battery Material Discovery and Performance Prediction
10:55-11:15	Digital Twin Applications in Battery Lifecycle Management
11:15-11:35	AI Algorithms for Fast Charging and Battery Lifetime Optimization
11:35-11:55	Factory Digitalization and AI-Based Quality Inspection
11:55-12:15	Battery Predictive Safety and Maintenance Using AI Technologies
12:15-12:25	Q&A
12:25-12:30	Conference Close

International Energy Storage Technology & Application Summit

This Summit will gather global experts and industry leaders to explore the latest developments in batteries, energy storage technologies, system integration, and smart operation. The summit will also cover market trends, investment opportunities, and industry's best practices, providing a platform for knowledge sharing and networking.

- Conference Date: March 11, 2026
- Location: Main Stage, Hall 8

Time	Agenda
10:30-10:40	Opening Remarks
10:40-11:00	New Battery Energy Storage Technology: Latest Developments on Sodium-Ion Batteries, Solid Batteries, Flow Batteries, and Second-Use EV Batteries
11:00-11:20	Critical Technologies Including Battery Management Systems (BMS), Fire Prevention & Mitigation and Cooling Solutions
11:20-11:40	Integrated Development of Energy Storage and Photovoltaic, Wind Power, Hydrogen Energy
11:40-12:00	Investment and International Industry Chain Synergetic Development
12:00-12:30	Exclusive Dialogue: Latest Development Trends, Policies and Business Models of Global and Asian Energy Storage Markets
12:30-12:40	Q&A
12:40-14:00	Networking Lunch & Exhibition Visiting
14:00-14:05	Opening By Moderator
14:05-14:25	Large-Scale Energy Storage Power Station System Integration Technology and Case Studies
14:25-14:45	Lifecycle Safety Management Of BESS: Warning, Inspection, and Protection
14:45-15:05	Climate Impact on BESS Reliability: High Humidity, High Temperature and



	Harsh Environments
15:05-15:25	Smart Operation and Maintenance: The Application of AI, Big Data, and IoT in BESS Monitoring for Longevity and Safety
15:25-15:45	Application Experience In C&I Energy Storage, Charging, Microgrid, and Data Center
15:45-16:05	Standardization, Testing and Certification of Energy Storage Industry
16:05-16:15	Q&A
16:15-16:20	Conference Close

MTA Summits

The Mobility Tech Asia Summits focus on the latest developments in new energy mobility and foster international collaboration. Highlighting cutting-edge EV technologies, charging and battery swapping innovations, as well as hydrogen energy and fuel cell breakthroughs, the summits aim to collectively shape the future of sustainable mobility and advance industrial progress worldwide.

EV Technology Innovation Summit

- Conference Date: March 11, 2026
- Location: Conference Room B, Hall 6

Time	Agenda
13:20-13:25	Opening by Moderator
13:25-13:45	Advanced Power Battery Technologies: Solid-State, Large Cylindrical, And Next Generation Chemistries
13:45-14:05	Power Electronics and Battery Packs Integration for Higher Efficiency
14:05-14:25	Intelligent Chassis and CTC (Cell to Chassis) Design to Optimize Battery Placement and Safety
14:25-14:45	Thermal Management Solutions for Batteries and Full EV Systems
14:45-15:05	Intelligent Cockpit and Connectivity: Energy-Efficient Electronics and Battery - Aware HMI System
15:05-15:25	Software Integration in the Battery Ecosystem: PV Charging, Battery Management, and Fleet Solutions
15:25-15:35	Q&A and Conference Close

International E-Mobility Charging & Battery Swapping Innovation Summit

- Conference Date: March 10, 2026
- Location: Main Stage, Hall 8

Time	Agenda
14:00-14:05	Opening by Moderator



14:05-14:25	Global & Asian EV Charging Market Outlook: Growth, Trends, and Investments
14:25-14:45	Public-Private Partnerships and Policy Interpretation- Promoting the Construction of the Charging and Battery-Swapping Ecosystem
14:45-15:05	Fast Charging Vs. Ultra-Fast Charging: Technology, Safety, and Grid Impact
15:05-15:25	Battery Swapping Models: Lessons From Asia's Two-Wheeler and Commercial EV Markets
15:25-15:45	Innovations In Wireless, Inductive & Smart Charging
15:45-16:05	Grid Modernization for Mass EV Adoption
16:05-16:25	Vehicle-To-Grid (V2G), Vehicle-To-Home (V2H) and Vehicle-To-Everything (V2X) Opportunities
16:25-16:45	Renewable Energy Integration with Charging Infrastructure
16:45-17:05	Sustainable Business Models for Charging Operators
17:05-17:25	Role Of E-Commerce & Digital Platforms in EV Charging Market Growth
17:25-17:35	Q&A
17:35-17:40	Conference Close

International Hydrogen Technology and Industry Summit

- Conference Date: March 11, 2026
- Location: Conference Room B, Hall 6

Time	Agenda
15:45-15:50	Opening by Moderator
15:50-16:10	Hydrogen Market Trends: Growth, Opportunities and Challenges, and Global Collaboration for A Sustainable Hydrogen Future
16:10-16:30	Breakthroughs In Green Hydrogen Production
16:30-16:50	Advanced Technologies and Solutions for Hydrogen Storage and Transportation
16:50-17:10	Next-Generation of Components and Advanced Materials in Hydrogen Energy and Fuel Cells
17:10-17:30	Hydrogen Use Cases in Mobility, Industry and Power Generation
17:30-17:50	Smart Energy Management and Hydrogen Grid Integration
17:50-18:00	Q&A and Conference Close

Open Tech Forum: Emerging Applications of Battery and Electric/Hybrid Technology

This open tech forum will bring together industry experts and innovators to discuss the latest technological advancements, cross-sector insights, and application trends driving the development of battery and electric/hybrid.

- Conference Date: March 11, 2026
- Location: Open Tech Forum, Hall 6

Time	Agenda
15:30-15:35	Opening by Moderator
15:35-15:50	Commercial Vehicles (Trucks, Buses, Logistics Fleets): High-Capacity, Long-Life, and Fast-Charging Systems for Heavy-Duty Transport
15:50-16:05	Next-Generation Batteries for Electric Two- and Three-Wheelers: Lightweight, Safe, and Cost-Efficient Solutions for Urban Mobility and Last-Mile Delivery
16:05-16:20	Marine and Offshore Applications: Energy-Dense and Durable Batteries for Ferries, Yachts, and Port Machinery
16:20-16:35	Electric Aviation & eVTOL: Ultra-Lightweight, High-Power Batteries for Aircraft, Drones, and Air Taxis
16:35-16:50	Robotics & Industrial Equipment: High-Power, Quick-Charging Batteries for Service Robots, Warehouse Automation, and Autonomous Delivery
16:50-17:05	Consumer Electronics & Wearables: Miniaturized and Flexible Batteries for IoT Devices, Wearables, and Portable Gadgets
17:05-17:20	Specialized Small-Format Applications: Design, Safety, and Regulatory Challenges for E-Cigarettes, Medical Devices, and Implants.
17:20-17:35	Cross-Sector Innovation: Lessons from Niche Markets That Can Inform Mainstream EV and Energy Storage Development
17:35-17:45	Q&A
17:45-17:50	Conference Close

**Open for Visitors*

Market & Investment Forums

These forums highlight emerging opportunities, policy trends, and cross-border collaborations in Southeast Asia, while examining global industry transformations, technological innovations, and investment strategies shaping the future of battery, energy storage, and e-mobility.

Southeast Asia New Energy Market Analysis and Industry Collaboration Forum

- Conference Date: March 11, 2026
- Location: Open Tech Forum, Hall 6

Time	Agenda
10:30-10:35	Opening By Moderator
10:35-10:55	Mapping Southeast Asia's New Energy Landscape: Growth Drivers and Investment Hotspots
10:55-11:15	Policy Development and Regional Integration for A Sustainable Energy Future
11:15-11:35	Technology Innovation and Localization Strategies for Emerging Energy Markets
11:35-11:55	Opportunities for Chinese Enterprises in Southeast Asia's New Energy Market
11:55-12:15	Financing The Future: Investment Trends in Clean Energy and E-Mobility



	Ecosystems
12:15-12:45	Panel Discussion: Building Win-Win Collaboration Between China and Southeast Asia in the Energy Transition
12:45-12:55	Q&A and Conference Close

Market Trend Insights Forum on Battery & E-Mobility

- Conference Date: March 11, 2026
- Location: Conference Room A, Hall 3

Time	Agenda
13:20-13:25	Opening by Moderator
13:25-13:45	Battery Supply Chain Transformation and Sustainability Challenges
13:45-14:05	Regional Insights: Comparing Innovation Pathways in Europe, China, and US
14:05-14:25	Market Report on the Next-Generation of Energy Storage in a Decarbonized World
14:25-14:45	Analysis of Market Trends Shaping the Future of E-Mobility
14:45-15:05	Global Battery Market Outlook: Key Growth Drivers and Regional Shifts
15:05-15:15	Q&A
15:15-15:20	Conference Close

Battery and E-Mobility Investment Forum

- Conference Date: March 12, 2026
- Location: Open Tech Forum, Hall 3

Time	Agenda
10:30-10:35	Opening by Moderator
10:35-10:55	Investing In the Future: Opportunities Across the Battery and Energy Value Chain
10:55-11:15	Capital Flow and Financing Models Driving the Energy Transition
11:15-11:35	Investment Trends and Opportunities in Regional Markets (US/Australia)
11:35-11:55	Investment Trends and Opportunities in Regional Markets (Europe)
11:55-12:15	Investment Trends and Opportunities in Regional Markets (Southeast Asia/Other Emerging Markets)
12:15-12:25	Q&A
12:25-12:30	Conference Close

Updated by October 31, 2025