

Energy-Saving and Low-Carbon Opportunities: Taiwan's Green Technology Delegation Advances Market Development in Thailand



To address global climate challenges and support sustainable development, the Thai government is actively promoting its Bio-Circular-Green (BCG) Economy Model, with targets to achieve carbon neutrality by 2050 and net-zero emissions by 2065. As the building and transportation sectors become key areas of focus for emissions reduction, Thailand's demand for Energy Management Systems (EMS), high-efficiency air conditioning, smart lighting, energy storage integration, and EV charging infrastructure continues to rise, creating favorable opportunities for cooperation with Taiwan's green technology industries.

With support from the International Trade Administration of the Ministry of Economic Affairs, the "Green Product International Linkage Program" organized the "Thailand Green Low-Carbon Business Opportunity Development Mission" from September 22 to 26, 2025. Led by the Industrial Technology Research Institute (ITRI), and integrating resources from the Taiwan Energy Service Industry Association (ESCO Association) and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Taiwan Chapter, the delegation brought together 10 Taiwanese companies specializing in energy saving and carbon reduction for market outreach and technical exchanges in Bangkok.

The mission focused on key application fields including commercial buildings,

cold-chain logistics, educational facilities, and residential communities, and proposed a range of integrated solutions aligned with local needs. During the visit, numerous Thai organizations expressed strong interest in collaboration. Several parties indicated initial willingness to adopt Taiwan's AI-based energy monitoring solutions, smart EMS platforms, and high-efficiency HVAC systems for demonstration projects, recognizing Taiwan's strengths in system integration and modular design. Other organizations are assessing EV charging infrastructure solutions and have expressed intent to explore further cooperation with Taiwanese suppliers.

The mission successfully facilitated multiple follow-up discussions. Some participating companies have already begun engaging with local partners to explore technology integration, demonstration applications, and collaboration models, underscoring Taiwan's competitiveness in smart monitoring, modular system design, and integrated energy-saving solutions.

Overall, this initiative demonstrates Taiwan's active participation in Southeast Asia's energy-saving and low-carbon markets and strengthens cooperative foundations with local industrial ecosystems. Moving forward, efforts will continue through technology demonstrations, pilot collaborations, and strategic matchmaking, supporting the deployment of Taiwan's green products and systems in Thailand and advancing substantive international cooperation opportunities.

