

ASIA CLEAN ENERGY FORUM 2025

Empowering the Future: Clean Energy Innovations,
Regional Cooperation and Integration, and Financing Solutions

2–6 June | ADB Headquarters, Manila



Crossing Borders: Integrated Solutions for Net Zero-Carbon Development

5 June 2025 | 14:00–17:35 (GMT+8)

In cooperation with



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ADB

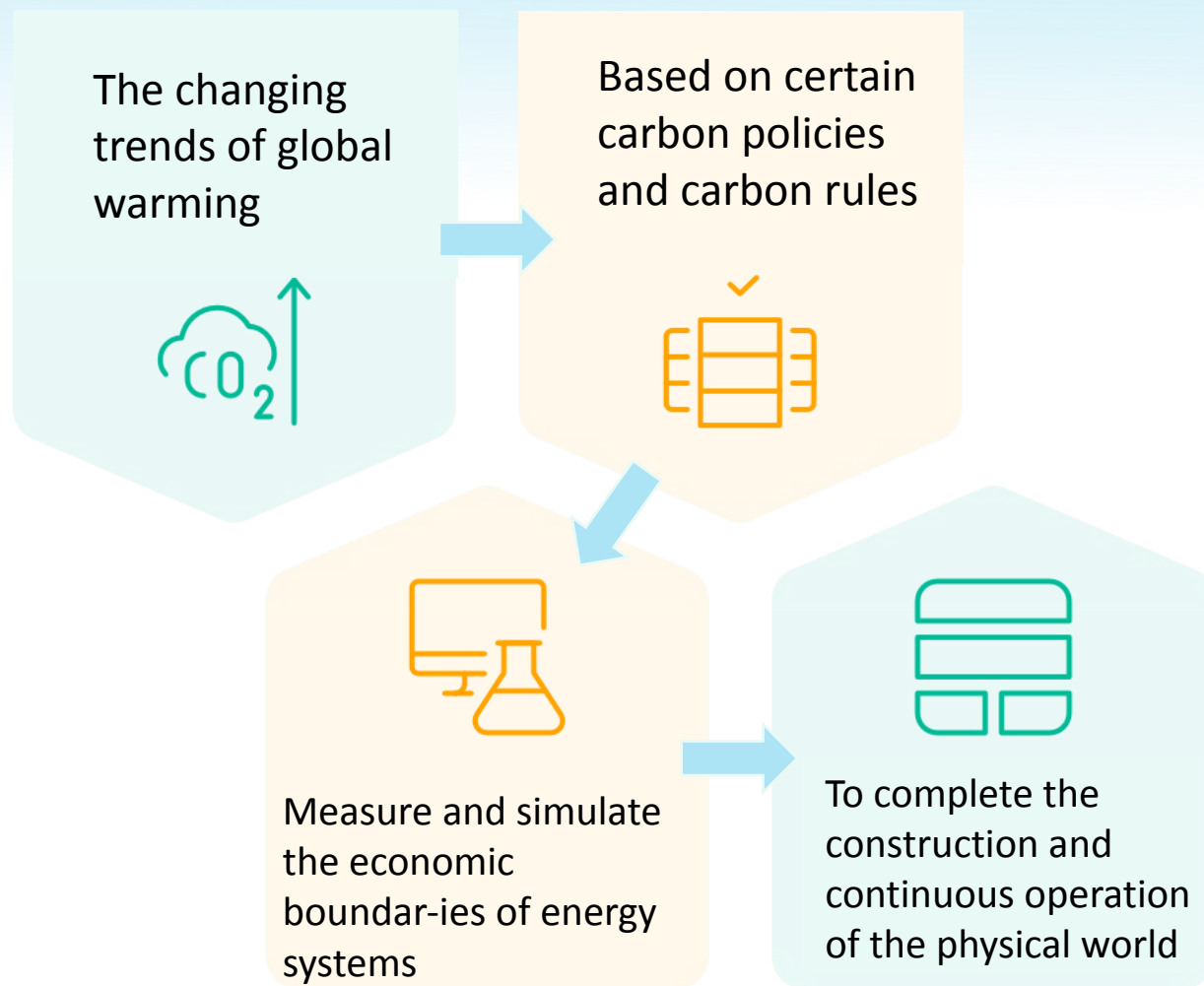


Dr. Donglai SUN

Founder & Chairman
Maxtropy Technology

Featured Speaker

How carbon policies impacts the physical world

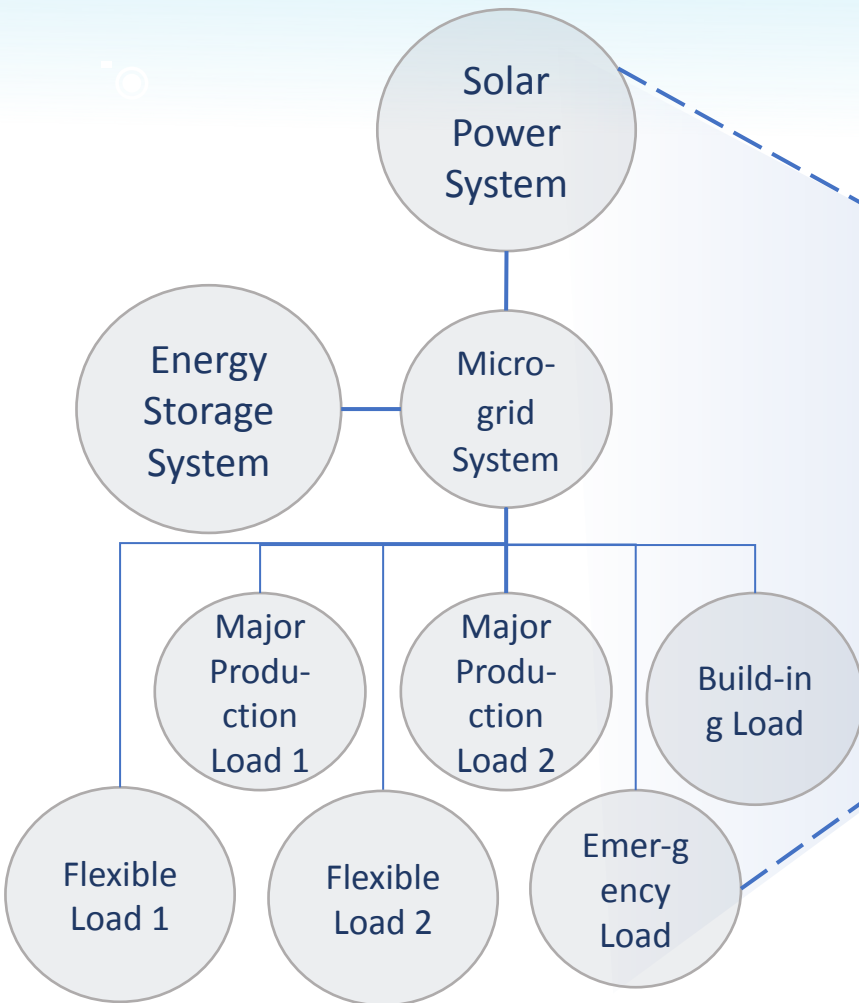


Carbon is an abstraction of energy. Only by rebuilding the energy system can we change carbon.

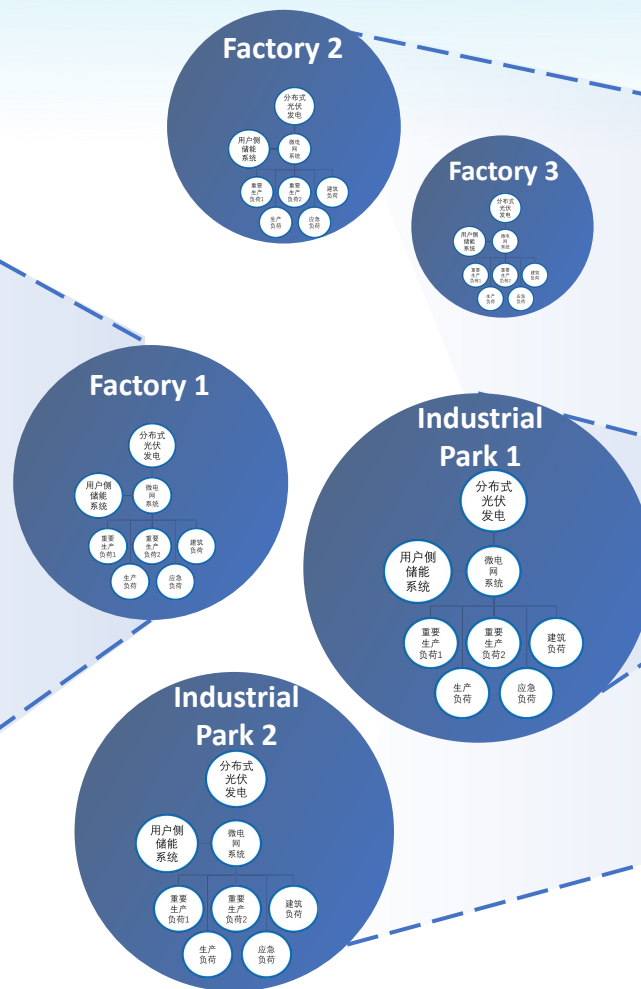


From energy flow to economic flow, and then to carbon footprint

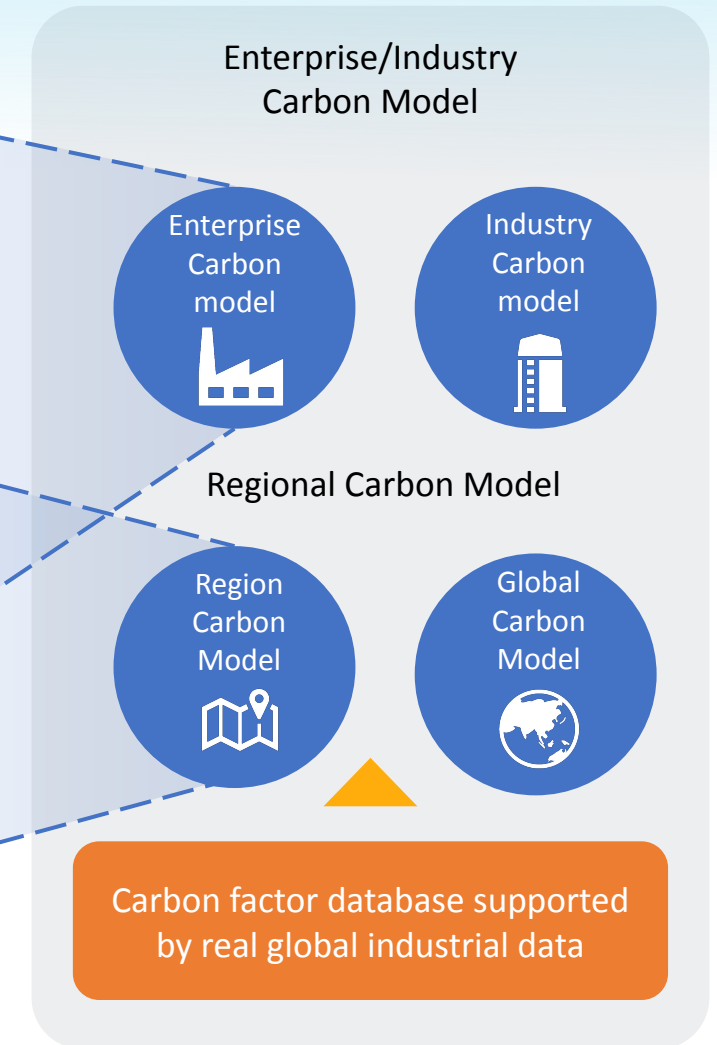
Energy Topology Model



Economic Model



Carbon Footprint



A case from new energy vehicle (NEV) industry supply chain

Solar & ESS System (Energy Topology)



Intelligent photo-voltaic operation technology, with power generation exceeding traditional methods by 20%.



Microgrid &VPP (Economic)



Under the guidance of Academician Gao Xiang, and through the application of Maxtropy’s virtual power plant technology, an increase of 25.4% in energy asset yield was achieved.



Accounting & Certification (Carbon)



Maxtropy’s AI are used for achieving an average annual carbon reduction of over 1000 tons. Meanwhile, high quality data is used for accurate carbon footprint accounting and certification, and enabling customers to sell globally.

A case from zero-carbon industrial park (Hangzhou City, Shangcheng District)

Infrastructure (Energy Topology)



Deploy multiple distributed photovoltaic and energy storage systems, new energy lamp posts and NEV charging system. Establish two low-carbon energy stations. source heat pumps and Install ground other high-efficiency energy

Microgrid &VPP (Economic)



By utilizing distributed predictive control algorithms, the economic efficiency and robustness of microgrid are ultimately achieved.



CCUS facility using DAC (Carbon)



Utilizing a tree-like structure to connect relevant locations within the industrial park that are prone to carbon emissions, this effectively implements a 24/7 pilot project within the park, contributing to the park's carbon neutrality efforts.



