News from the Global Energy Interconnection



Overview

On September 9, Chinese Vice President Han Zheng attended the 2025 Global Energy Interconnection (GEI) Conference in Beijing and delivered an opening speech.

Key Takeaways

The Global Energy Interconnection continues to advance through international cooperation, renewable energy integration, and technological innovation, with recent conferences and strategic meetings highlighting progress in sustainable energy development.

Key Developments and Meetings

In April 2026, GEIDCO Chairman Xin Baoan met with leaders from REN21 and the Clean Energy Ministerial in Paris to discuss global renewable energy policy and cooperation. The 2026 Plenary Session of the Connectivity (Power) Working Group under the Belt and Road Energy Partnership was held in Shanghai, focusing on multilateral energy collaboration. Additionally, the International Vienna Energy and Climate Forum (IVECF 2026) convened in Austria, emphasizing coordinated energy transition, climate action, and stable energy supply chains.

GEIDC

O also engaged with the Long Duration Energy Storage Council to explore advancements in energy storage technologies.

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Conferences and Technological Innovation

The 2025 Global Energy Interconnection Conference in Beijing marked the 10th anniversary of the GEI initiative. Parallel forums, such as the one hosted by Hitachi Energy, highlighted innovations in power grid technology, digitalization, and sustainable solutions.

GEIDC

O emphasized accelerating technological and equipment innovation to ensure safe and stable operation of power systems with high shares of renewable energy, while promoting international collaboration and academic exchange.

Renewable Energy Integration and Trends

Global energy demand growth in 2025 was largely driven by renewable sources, with solar PV contributing over 25% of the increase, followed by natural gas at 17%. Low-emissions sources—including solar, wind, nuclear, and hydropower—accounted for nearly 60% of global demand growth. Electricity demand, particularly from data centers and electric vehicles, continues to rise, reinforcing the transition to an electricity-dominated energy system.

GE

I initiatives aim to link power grids across borders to maximize renewable potential, enhance energy security, and provide clean, affordable energy globally. Strategic OutlookGEIDCO is committed to building a global platform for energy cooperation, advancing low-carbon technologies, and supporting sustainable development. Upcoming international forums, including COP30 and the 2026 High-Level Political Forum, are expected to further drive commitments to triple renewable energy capacity and double energy efficiency by 2030, aligning with the UN Decade of Sustainable Energy for All.

These developments underscore GEI's role in fostering a resilient, inclusive, and decarbonized global energy system.

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Article Content

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Global Energy Interconnection Journal Press

The impact of increased renewable energy penetration and reduced inertia on the frequency nadir in a multi-area interconnected network based on the peninsula Malaysia national grid

Recent Global Energy Interconnection Articles

As China''s Outward Foreign Direct Investment (OFDI) accelerates its shift toward greener practices, its growing commitment to clean energy has become a key driver in the global energy

2025 Global Energy Interconnection Conference Held in Beijing

On September 9, Chinese Vice President Han Zheng attended the 2025 Global Energy Interconnection (GEI) Conference in Beijing and delivered an opening speech.

China-led energy group expands global reach

Speaking at the 2025 Global Energy Interconnection Conference in Beijing, Xin Baoan, chairman of the Beijing-headquartered organization, said the members now come from 143 countries.

MCDF Expert Outlines Keys to Supporting High-Quality Connectivity ...

An expert from the Multilateral Cooperation Center for Development Finance (MCDF) shared insights on promoting high-quality cross-border energy connectivity infrastructure investment

Global Energy Interconnection Development and Cooperation

GEIDCO has carried out more than 100 researches, released more than 50 innovative results globally, and published more than 50 monographs and reports in Chinese and English, enhancing its

Hitachi Energy hosts parallel forum at 2025 Global Energy ...

The Global Energy Interconnection Conference, now in its seventh year, has brought together over 4,800 guests from more than 80 countries, released 32 innovative research outcomes,

Han Zheng Attends the 2025 Global Energy Interconnection

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Han Zheng pointed out that the global energy system is currently undergoing profound changes, and the low-carbon transition of the energy mix is accelerating. China has been a staunch

US energy regulator directs PJM to set AI data center rules

The U.S. energy regulator on Thursday directed the largest U.S. grid operator, PJM Interconnection, to establish rules on the connection of artificial

PowerBank | Solar, Storage & Power for the AI Era

PowerBank (Nasdaq: PBK) develops solar and battery storage to meet rising energy and AI data center power demand across North America.

US AI boom faces electric shock | Reuters

Manufacturers of gas turbines, including GE Vernova (GEV.N), opens new tab, Siemens Energy (ENR1n), opens new tab and Mitsubishi

IEA: Renewables will be world''s top power source ''by

Renewable energy will overtake coal to become the world''s top source of electricity “by 2026 at the latest”, according to new IEA forecasts.

Energy Portfolio Manager, Energy Supply and Interconnection

Combined ownership of the comprehensive management of Meta''s energy supply and interconnection contracts Serve as the ongoing owner for a portfolio of executed energy supply and

Why 2026 is the Year Bitcoin Miners Become Global

Experts say Bitcoin miners will pivot to AI in 2026, with more energy asset purchases and more convergence between AI, mining and power firms.

US power grid operator PJM is considering market

PJM Interconnection, the largest U.S. power grid operator, said on Wednesday it is considering market changes that could reshape how electricity

Can PJM''s new ''fast track'' process accelerate interconnection?

The Federal Energy Regulatory Commission (FERC) has approved PJM''s request to create an Expedited Interconnection Track (EIT), a temporary fast-track interconnection process

CPP, GRID-C, PILs: How to navigate SPP''s new

SPP''s new CPP queue cuts interconnection timelines down to 10 months using pre-screened PILs and standardized GRID-C fees. Applications opens April 2026.

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