

Timeline of the Proposal for the Global Energy Interconnection



AI Overview

The Global Energy Interconnection (GEI) was proposed in 2015 and is planned to develop over a 50-year period in three major phases. Key Milestones

2013 – Chinese President Xi Jinping, during visits to Central and Southeastern Asian countries, proposed discussions on establishing a Global Energy Interconnection to meet global power demand with clean and green alternatives, linking it conceptually to the Belt and Road Initiative .

November 12, 2015 – The idea of GEI was formally put forward by Liu Zhenya, Chairman of the State Grid Corporation of China (SGCC), at a workshop, marking the official conception of the proposal .

September 26, 2015 – President Xi Jinping publicly proposed GEI at the UN Sustainable Development Summit, emphasizing its alignment with the 2030 Agenda for Sustainable Development and global clean energy goals .

March 2016 – Establishment of the Global Energy Interconnection Development and Cooperation Organization (GEIDCO) in China to promote the GEI concept, conduct strategy and planning studies, and facilitate technology innovation and standardization .

Phases of Implementation

Phase 1 (2015–2030) – Focuses on integrating national grids, building new smart grids, and increasing renewable energy usage within countries .

Phase 2 (2030–2070) – Aims to connect continental grids, enabling cross-border electricity trade and coordination .

Phase 3 (2030–2070) – Development of Afro-Eurasian transcontinental grids linked by ultra-high voltage systems, creating a global electricity network .

International Engagement

GEI has been promoted in forums such as the UN Framework Convention on Climate Change, the UN 2030 Agenda for Sustainable Development, and the Gulf Cooperation Council . The GEI Action Plan outlines ten actions and five cooperation mechanisms to facilitate global grid planning, transnational project construction, el...

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Global Energy Interconnection

To speed up the development of GEI and promote the implementation of the 2030 Agenda, GEIDCO has formulated Global Energy Interconnection Action Plan to Promote the 2030

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PJM Interconnection

PJM Interconnection LLC (PJM) is a regional transmission organization (RTO) in the United States. It is part of the Eastern Interconnection grid operating an electric

Global Energy Interconnection Development and Cooperation

Launched in March 2016 with its headquarters in Beijing, China, Global Energy Interconnection Development and Cooperation Organization (GEIDCO) is a non-profit international organization

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The CBAM will initially apply to imports of certain goods and selected precursors whose production is carbon intensive and at most significant risk of carbon

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2025 Global Energy Interconnection Conference

On September 26, 2015, Chinese President Xi Jinping proposed a visionary initiative at the United Nations Sustainable Development Summit— “to establish Global Energy Interconnection (GEI) to

Global Energy Interconnection

The Global Energy Interconnection is a proposed global electricity network (Super grid).

Global Energy Interconnection Explained

The scope of the proposal spans 50 years. The first phase focuses on integrating national grids, building new smart grids, and increasing renewable energy usage.

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China's Global Energy Interconnection: Exploring the Security ...

In 2015, Chinese President Xi unveiled a new initiative known as the Global Energy Interconnection (GEI). The GEI aims to connect renewable energy producers to consumers through ultra-high

"A bullet train for power": China's ultra-high-voltage

The technology acts as a key component in China's proposal to build a global power grid, known as the Global Energy Interconnection.

Mexico updates distributed generation rules to formally

Finally, the proposal adjusts timelines and administrative processes for interconnection permits and contracts, clarifying roles for users, suppliers,

The 2026 Mid-Year Global Energy Masterclass: H1 Post-Mortem

To all members of the Energy Storage AC Club, global EPC directors, infrastructure fund partners, and utility engineers: Welcome to our comprehensive mid-year global market briefing. I'm

Contact Us

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