

Global Energy Interconnection Cooperation



AI Overview

GEIDCO is an international organization headquartered in Beijing, China, dedicated to promoting a global, clean, and interconnected energy system. Overview The Global Energy Interconnection Development and Cooperation Organization (GEIDCO) is an international platform that brings together firms, associations, institutions, and individuals committed to sustainable energy development worldwide. It has 503 members from 80 countries, spanning sectors such as electric power, information technology, environmental protection, energy research, consulting, and finance . GEIDCO's primary mission is to establish a global energy interconnection (GEI) system to meet worldwide electricity demand in a clean and green manner, supporting the United Nations' Sustainable Energy for All initiative and climate change goals . Global Energy Interconnection (GEI) GEIDCO promotes the GEI concept, which integrates smart grids, ultra-high voltage (UHV) transmission, and clean energy to create a globally interconnected, efficient, and sustainable energy network . The GEI system is designed to facilitate large-scale development, transmission, and consumption of renewable energy resources, addressing challenges such as resource depletion, climate change, environmental pollution, and energy poverty . Its infrastructure plan includes transnational and intercontinental backbone grids, often described as “9 horizontal and 9 vertical” power channels, to optimize global energy distribution . Activities and Functions GEIDCO engages in a wide range of activities to advance GEI, including: Formulating development plans and technical standards for global energy interconnection Organizing research, innovation, and international cooperation in energy technologies Implementing engineering projects and providing consulting services Publishing academic research through the Global Energy Interco...

Article Content

About GEI

Global interconnectivity for energy to reach everybody in need is the center of the two concepts, i.e. sustainability and inclusivity, of our commitment to Agenda 2030 and combating climate change.

Introduction

Build GEI to meet global power demand with clean and green alternatives. Promote clean energy development and build a harmonious world. Build a world first-class international organization to

Global Energy Interconnection | Journal

The provision of low carbon energy to our society is a key issue at the heart of sustainable development of global energy supply. The Global Energy Interconnection (GEI) Journal publishes original research

Global Energy Interconnection

Global Energy Interconnection The Global Energy Interconnection is a proposed global electricity network (Super grid). World map of high voltage transmission lines with more than 220 kV

Global Energy Storage Growth Upheld by New Markets

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, the sector

Global Energy Interconnection Development and Cooperation

The Global Energy Interconnection Development and Cooperation Organization (GEIDCO), headquartered in Beijing, China, is an international organization among willing firms, associations,

2025 Global Energy Interconnection Conference

In response, the Global Energy Interconnection Development and Cooperation Organization (GEIDCO) was established to advance this vision. Over the past decade, GEIDCO has brought together global

Opening remarks at 2025 Global Energy Interconnection (GEI)

I extend my appreciation to the Global Energy Interconnection Development and Cooperation Organization for convening this timely meeting. We meet at a decisive moment for people and the

Global Energy Interconnection: An Innovative Global Solution for ...

Global Energy Interconnection: An Innovative Global Solution for Implementing Paris Agreement Global Energy Interconnection Development and Cooperation Organization (GEIDCO) Research Center for

Global Energy Interconnection: An Innovative Global Solution for ...

Transition to clean and low-carbon energy is ultimate approach to tackling the issue of climate change. The key to energy transition consists in accelerating a modern energy system dominated by clean

Global Energy Interconnection Encouraging Just and Inclusive

The energy system is in urgent need of an inclusive, just and resilient transformation. Global Energy Interconnection (GEI) represents an interconnected, intelligent and efficient multi-energy coordination

Global Energy Interconnection Journal Press

Global Energy Interconnection established by Global Energy Interconnection Development and Cooperation Organization (GEIDCO), is professional and prospective scientific journal in energy and

Global Energy Interconnection | Journal

Read the latest articles of Global Energy Interconnection at ScienceDirect , Elsevier's leading platform of peer-reviewed scholarly literature

Global energy interconnection standards issued to boost green ...

At a launch conference in Beijing, the Global Energy Interconnection Development and Cooperation Organization (GEIDCO) unveiled seven standards, including guidelines for planning

The New Map of Energy and Geopolitics | J.P. Morgan

The New Era of Energy Security Dr. Sarah Kapnick explains how evolving energy strategies and global cooperation are transforming the

Global Energy Trends: Clean Energy Growth and Rising Demand

We explore the data to see where the clean energy transition stands today, from rising investment and job growth to grid needs and critical mineral demand.

Opening remarks at 2025 Global Energy Interconnection (GEI)

Global energy interconnection offers a powerful path forward. By linking power grids across borders and continents, we can unlock renewable potential at scale, enhance energy security and...

New Partnership to Strengthen Clean Energy Capacity in ...

UN Climate Change News, 11 June 2025 – A new partnership between the Global Energy Interconnection Development and Cooperation Organization (GEIDCO) and the UNFCCC is set to

Introduction

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

Global Energy Interconnection

Global Energy Interconnection Development and Cooperation Organization (GEIDCO) is an international organization among willing firms, associations, institutions dedicated to advancing the sustainable

Global Energy Interconnection Development and Cooperation

GEI is a clean energy-dominant, electric-centric modern energy system that is globally interconnected, jointly constructed and mutually beneficial to all. It is an important platform for large-scale

NVIDIA Corporation

Global Energy Leaders Modernize World's Power Grids With Omniverse DSX Blueprint Energy is now the biggest bottleneck for AI infrastructure buildouts, with over \$300 billion in

Data Center Power & Energy News 2026: Weekly Project Updates

Key Takeaways: Energy Bottleneck: U.S. data center electricity demand surged from 23 GW (2023) to 42 GW (2026). By 2030, global energy use may hit 945 TWh. AI's Impact: AI racks

GEI Initiative

GEI Initiative - Global Consensus On September 26, 2015, Chinese President Xi Jinping proposed discussions on establishing Global Energy Interconnection, to facilitate efforts to meet global power

Global Energy Interconnection Development and Cooperation

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Development Concept

Development Concept What is Global Energy Interconnection (GEI) GEI is a clean energy-dominant, electric-centric modern energy system that is globally interconnected, jointly constructed and

Contact Us

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