

Global Energy Interconnection Organization



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

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 AI Solutions for the Global Energy Industry

AI for Energy: Power-Flexible AI Factories Strengthen the Grid Turn your AI infrastructure into a strategic grid asset with “power-flexible” AI factories that

Global Energy Interconnection: an innovative solution for

Against the background of energy consumption transformation and climate governance, Global Energy Interconnection (GEI), which features an innovative combination of advanced

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

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 Action Plan to Promote 2030 Agenda

Global Energy Interconnection Action Plan to Promote 2030 Agenda for Sustainable Development Global Energy Interconnection Development and Cooperation Organization November 1, 2017 New

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

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

Research and Outlook on Global Energy Interconnection

In order to promote the development of the GEI, the Global Energy Interconnection Development and Cooperation Organization (GEIDCO) has undertaken systematic researches on energy

Global battery energy storage system (BESS) trends

Battery energy storage systems (BESS) now sit at the heart of the global shift toward flexible, renewable-dominated grids. Understanding the regional trends

Global Energy Interconnection Advancing 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

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

ACCELERATING SDG 7 ACHIEVEMENT ACTION BRIEF 1

GEI achievements The Global Energy Interconnection Development and Cooperation Organization (GEIDCO) has released significant research studies including: “GEI Backbone Grid Research, GEI

AI Data Center Power: Grid Limits Reshape Energy in

AI data center power demand is breaking the grid in 2026. See how grid constraints fuel trillions in on-site energy investments. Discover the new power plays now!

About GEI

Building African Energy Interconnection will greatly promote the large-scale exploitation and utilization of clean energy in Africa and the interconnection of power grids, promote the development of mineral

Global Energy Interconnection

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

Global Energy Interconnection | Journal

GEI journal has been indexed in multiple databases such as EI Compendex, Scopus, Inspec, DOAJ, Elsevier ScienceDirect, etc. The potential for renewable energy to make contributions to mitigating

GEIDCO(Global Energy Interconnection Development

The Global Energy Interconnection Development and Cooperation Organization (GEIDCO), with its permanent office domiciled in Beijing, China, is a international

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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

GEIDCO is non-profit international organization dedicated to promoting the sustainable development of energy worldwide.

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

Recruitment of Early Career Editorial Board Members for Global Energy ...

We plan to recruit 40 to 50 Early Career Editorial Board Members for Global Energy Interconnection. Target research areas cover energy and power technological innovation,

GEIDCO(Global Energy Interconnection Development

The purpose of GEIDCO is to promote the establishment of a GEI system, to meet the global demand for electricity in a clean and green way, to implement the

Contact Us

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