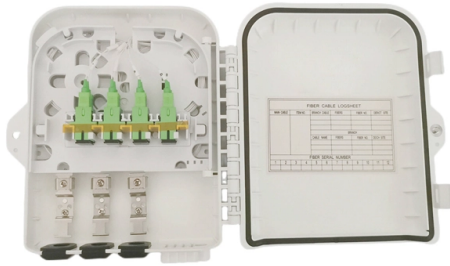


Several Stages of the Global Energy Interconnection



Overview

The proposal is an eighteen-line backbone of ultra high voltage connections to link 80 countries in networks incorporating smart-grid technology and significant renewable energy sources. : 92 The scope of the proposal spans 50 years. Comprising of transnational and transcontinental backbone grids and. Global energy interconnection (GEI) represents the ultimate evolution of the trend towards greater interconnection of power systems. It embodies high-level integration of the flow of energy, flow of information and flow of business as an intelligent, automated and networked-based system for. 1. 2 Global Energy Interconnection ;r. Today's energy system is the result of years of evolving priorities, disruptions and transformation – but 2025 marks a critical inflection point. The ambition-delivery gap emerged early. Climate regulation surged post-2015, but sustainability progress stalled, revealing that political will was. However, due to the intermittent nature of renewable energy sources, relying on a single source cannot ensure a steady energy supply, making it essential to combine multiple renewable energies with thermal generators to meet the required energy demand.



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