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Overview

Renewable energy has become the cornerstone of the global transition toward low-carbon development. Over the past decade, countries worldwide have rapidly expanded renewable power generation to meet climate goals and reduce dependence on fossil fuels.

Market Trends

The global share of renewable electricity has risen steadily, surpassing 30% in 2024. Hydropower remains a key source, while solar and wind energy have shown the most significant growth. Emerging technologies such as green hydrogen and energy storage further enhance the potential of renewable systems.

Regional Developments

Europe leads with over 45% renewable power generation, supported by strong policy incentives. China and the United States are accelerating deployment, while developing economies in Asia, Africa, and South America are investing heavily in solar and wind projects.

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