

# Decarbonizing the Future: Clean Energy Transition Market Gains Momentum Worldwide

*Rising investments in clean energy boost demand for green solutions, speeding the transition to renewables amid climate urgency.*

WILMINGTON, DE, UNITED STATES, March 4, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Clean Energy Transition Market](#) by Type (Renewable Energy, Energy Efficiency, Electrification, Hydrogen and Others), End Use (Industrial, Commercial, Residential and Utility): Global Opportunity Analysis and Industry Forecast, 2024-2028". According to the report, the clean energy transition market was valued at \$2.4 trillion in 2023, and is estimated to reach \$3.7 trillion by 2028, growing at a CAGR of 9.4% from 2024 to 2028.

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The global clean energy transition market is growing due to rising investments and increasing demand for green energy. However, limited availability of critical materials restrains growth. Innovations in energy storage solutions, such as solid-state batteries and flow batteries, offer new opportunities. Solid-state batteries enhance safety and lifespan by replacing liquid electrolytes with solid materials. Meanwhile, flow batteries use liquid electrolyte solutions, enabling independent scaling of power and energy capacity, making them ideal for large-scale energy storage.

The global clean energy transition market is experiencing unprecedented growth, driven by a surge in investments from both public and private sectors. Governments worldwide are prioritizing climate action, channeling funds into renewable energy projects, infrastructure development, and subsidies to meet sustainability goals. Simultaneously, private sector commitments are fueling innovation and scaling green energy solutions, from solar and wind to energy storage and smart grids.

This momentum is not only addressing the urgent need to combat climate change but also creating new economic opportunities, jobs, and technological advancements. As demand for clean energy solutions rises, the market is poised to play a pivotal role in shaping a sustainable future.

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## Renewable energy segment to maintain its dominance by 2028

In 2023, the renewable energy segment dominated the market and is expected to retain its lead during the forecast period. Solar, wind, and hydroelectric power generate electricity with lower greenhouse gas emissions than fossil fuels, supporting global climate targets and reducing carbon footprints. Favorable policies, subsidies, and regulatory mandates by governments further drive the adoption and integration of renewable energy into energy systems.

## Residential segment is expected to lead the market by 2028

In 2023, the residential segment led the market and is expected to dominate during the forecast period. Growing awareness of clean energy benefits, coupled with government incentives like tax credits and rebates, encourages homeowners to adopt solar panels, geothermal systems, and other renewable solutions. Additionally, the pursuit of energy independence and resilience further fuels the demand for residential clean energy technologies.

## Asia-Pacific is expected to experience fastest growth during the forecast period

In 2023, Asia-Pacific emerged as the fastest-growing region in renewable energy revenue. The rising adoption of solar and wind power is driven by the need to meet increasing energy demand, cut greenhouse gas emissions, and enhance energy security. Technological advancements, smart grid systems, and energy efficiency measures are accelerating the shift toward clean energy. Growing investments in R&D are improving performance, reliability, and cost-efficiency — making renewable energy more competitive with fossil fuels.

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### Leading Market Players:

- NextEra Energy, Inc.
- Iberdrola, S.A.
- Ørsted A/S
- Tesla Inc.
- Enel Spa
- Vestas Wind Systems A/S
- BYD Company Ltd.
- Brookfield Asset Management
- Schneider Electric
- Plug Power Inc.

The report provides a detailed analysis of these key players in the global clean energy transition market. These players have adopted different strategies such as new product launches,

collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

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