

Clean Energy Infrastructure Market to Reach \$1.5 Trillion, Globally, by 2033 at 9.3% CAGR: AMR

The global clean energy infrastructure market is growing fast as industries adopt sustainable solutions to tackle climate change & demand cleaner energy sources

WILMINGTON, DE, UNITED STATES, February 11, 2025 /EINPresswire.com/ -- Allied Market Research published a report, titled, "[Clean Energy Infrastructure Market](#) by Infrastructure

Type (Power Generation Facilities, Energy Storage Systems, Transmission

and Distribution Networks), and End-Use (Residential, Commercial and Industrial): Global Opportunity Analysis and Industry Forecast, 2024-2033". According to the report, the clean energy infrastructure market was valued at \$0.6 trillion in 2023, and is estimated to reach \$1.5 trillion by 2033, growing at a CAGR of 9.3% from 2024 to 2033.

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Prime determinants of growth

The global clean energy infrastructure market has experienced growth due to several factors such as increased demand for clean and sustainable energy solutions in response to climate change and environmental concerns. Governments, businesses, and consumers are increasingly recognizing the importance of transitioning away from fossil fuels towards renewable energy sources such as solar, wind, hydroelectric, and biomass. Moreover, Advancements in clean energy technologies are also driving market growth. Innovations in solar photovoltaics, wind turbines, energy storage systems, and smart grid technologies are improving the efficiency, reliability, and affordability of clean energy infrastructure market.

The energy storage systems segment is expected to maintain its dominance by 2033

By Infrastructure type, the energy storage systems segment is expected to dominate the market due to the increase in deployment of renewable energy. As renewable energy sources such as



solar and wind power become more prevalent, the need for energy storage systems to mitigate intermittent and ensure grid stability becomes paramount. Energy storage enables the efficient capture and utilization of renewable energy, thereby facilitating its integration into the electricity grid.

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The industrial segment is expected to maintain its dominance by 2033. Industrial facilities typically have higher energy demands compared to residential and commercial buildings due to the nature of their operations. Industries such as manufacturing, mining, and heavy engineering require significant amounts of energy for processes such as heating, cooling, and powering machinery. As a result, there is a strong incentive for industrial [companies to invest](#) in clean energy infrastructure to reduce energy costs, improve operational efficiency, and enhance competitiveness.

The Asia-Pacific segment is expected to maintain its dominance by 2033. By region, Asia-Pacific dominated the clean energy infrastructure market in 2023. Asia-Pacific region is rich in renewable energy resources, such as solar, wind, hydroelectric, biomass, and geothermal power. Countries in the region have significant untapped potential for renewable energy generation, making clean energy infrastructure a viable and attractive option for meeting energy demand sustainably.

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Leading Market Players: -

- NextEra Energy, Inc.
- Enel Spa, Iberdrola, S.A,
- Canadian Solar.
- First Solar
- SunPower Corporation.
- ACCIONA ENERGÍA
- Suzlon Energy Limited
- Adani Group
- Tata Power

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