

Key Driver in the Clean Technology (CleanTech) Global Market Report 2025: Growing Demand For Sustainable Power Solutions

The Business Research Company's Clean Technology (CleanTech) Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- In recent years, the cleantech market size has grown

significantly, with projections showing it will expand from \$759.05 billion in 2024 to \$844.78 billion in 2025, demonstrating a compound annual growth rate CAGR of 11.3%. The growth during the historical period is attributed to rising factors, such as demand for electric vehicles, increased environmental awareness among consumers and businesses, the surge in demand for sustainable construction, integration of renewable energy sources, and amplified government support and incentives.



The Business Research Company's Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034"

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What's fueling the growth of the cleantech market going forward?

It is projected that the clean technology cleantech market size will continue its fast-paced growth in the coming years. Expected to grow to \$1,279.36 billion in 2029 at a CAGR of 10.9%, the escalation will be driven by notable developments. These include the rise of hydrogen as a

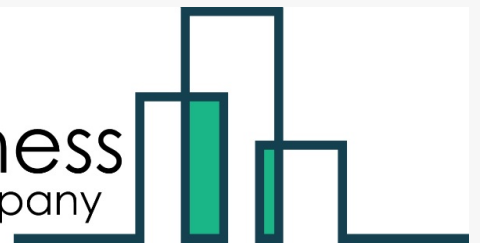
clean energy, the increased adoption of second-life EV batteries, soaring demand for zero-emission transportation, deepening concerns about energy security, ever-increasing industrial energy efficiency mandates, and the expansion of green hydrogen infrastructure.

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What factors are driving the cleantech market?

The booming integration of renewable energy sources is projected to power ahead the growth of the clean technology cleantech market in the future. Renewable energy sources such as solar, wind, and hydropower offer sustainable alternatives to fossil fuels due to their constantly replenishing nature. Concerns over climate change and reducing emissions are pushing a shift from fossil fuels to cleaner alternatives like solar, wind, and hydropower. CleanTech enables a smooth integration of renewable energy sources by providing advanced technologies and intelligent infrastructure that optimize generation, storage, and distribution across the energy grid. The European Environment Agency noted that in 2022, 23% of the energy consumed in the European Union EU was generated from renewable sources, up from 21.9% in 2021, exemplifying the increasing integration of renewable energy sources.

Who are the major players in the cleantech market?

Renowned companies operating in the clean technology cleantech market include Tesla Inc, Veolia Environnement S.A., LG Chem Ltd, Schneider Electric SE, Mitsubishi Electric Corporation, Honeywell International, ABB Ltd, NextEra Energy Inc, Johnson Controls International, Orsted A/S, Enel Green Power, First Solar Inc, Enphase Energy Inc., Siemens Gamesa Renewable Energy, SunPower Corporation, Ballard Power Systems Inc., Adani Group, AeroSeal LLC, e-Zinc Inc, and ACE Green Recycling Inc.

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What are the emerging trends in the cleantech market?

Top companies in the clean technology cleantech market are focusing on innovation-support initiatives such as accelerator programs. These programs are designed to foster startups, drive sustainable solutions, and accelerate the adoption of green technology. An example was in January 2025 when FedTech, a U.S.-based venture firm, launched the Four Corners Cleantech Accelerator. The program offered structured workshops for startups covering business modeling and cleantech commercialization while providing advisory services for established businesses, including IP, market, and pitch support.

How is the cleantech market segmented?

The report segments the clean technology cleantech market by:

- 1 Type: Renewable Energy Technologies, Energy Storage Solutions, Energy Efficiency Solutions, and more.
- 2 Technology: Solar Photovoltaic, Batteries And Energy Storage, Hydrogen And Renewable Gas, etc.
- 3 Application: Industrial, Transportation, Manufacturing, Utilities, etc.
- 4 End-User: Government, Corporations, Non-Governmental Organizations NGOs, Individuals.

What are the regional insights in the cleantech market?

In 2024, North America was the largest region in the cleantech market. Asia-Pacific is anticipated to be the fastest-growing region in the forecast period, with a myriad of opportunities awaiting. The report offers a comprehensive regional analysis covering Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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Americas +1 3156230293

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Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

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