

Article Overview

Turkey is rapidly advancing its energy sector through a combination of state-led investments, SME-driven clean energy initiatives, and innovative technology enterprises.

Key Energy Companies and Startups

Turkey hosts a diverse range of energy enterprises, from large state-owned corporations to innovative startups. Major players include Enerjisa, Zorlu Enerji, and Kalyon Enerji, which focus on wind, solar, and hybrid energy projects, often leveraging local partnerships and technology alliances to expand their portfolios and ensure reliable project execution . Emerging technology companies are also shaping the sector: RePG develops renewable energy systems that generate electricity and drinking water from ambient humidity and temperature differences, while Batkon specializes in battery management systems for electric vehicles and grid-scale storage . Additionally, companies are innovating in hydrogen fuel cells with PFAS-free proton exchange membranes, addressing environmental concerns in energy production .

SME Participation and Clean Energy Transformation

Small and medium enterprises (SMEs) are central to Turkey's energy transformation. With 3.2 million active enterprises, SMEs account for over 73% of the workforce and more than 56% of exports . Programs like the Türkiye Sustainable Energy Financing Facility (TurSEFF), launched in 2010 with support from the European Bank for Reconstruction and Development (EBRD) and the Clean Technology Fund, have enabled SMEs to adopt energy efficiency measures and modernize energy sources, creating a market for new energy technologies and improving financial sustainability .

State Investments and Strategic Initiatives

State-owned enterprises dominate public energy investments. In 2026, Turkey plans to invest \$22.7 billion, with \$11.28 billion allocated to energy projects, including oil and gas exploration by TPAO, natural gas and petroleum transmission by BOTAS, and power grid and generation projects by TEIAS and EUAS . These investments are part of a broader strategy to enhance energy security and infrastructure.

National Technology and Energy Strategy

Turkey's 2030 Industry and Technology Strategy emphasizes technological independence and green energy. The roadmap prioritizes renewable energy, electric vehicles, hydrogen fuel cells, and green technologies, alongside digital transformation and industrial resilience . Public funding supports R&D and local production, aiming to reduce import dependence and position Turkey as a global leader in energy innovation and high-tech

industries .

Conclusion

Turkey's energy landscape is characterized by a synergy between state-led investments, SME engagement, and innovative technology enterprises. From large-scale renewable projects to cutting-edge startups in energy storage and hydrogen fuel cells, the country is actively transforming its energy system while fostering technological independence and sustainability. This multi-layered approach positions Turkey as a growing hub for clean energy and energy technology innovation.

The versatile structure of Türkiye's energy strategy and its energy import dependency brings international relations into prominence

Explore the latest data on Türkiye's energy transition. How clean is Türkiye's electricity? How much renewable

With tens of thousands of solar plants, storage coming online and interconnectors growing, energy management is no

Türk Telekom's Hungary-based subsidiary, TT International, operates across 24 countries with 135 digital access points, building a

General information Short Summary A Turkish SME specializing in renewable energy, smart grids, and electric vehicle

Turkey's Ministry of Energy and Natural Resources has proposed new targets in its 2025

According to the results of the Türkiye National Energy Plan, electricity consumption is expected to be 455.3 TWh in 2030, 510.5

The Government of Turkey aims to almost quadruple wind and solar power capacity to 120 GW by 2035, according to

Get profiles of Turkey Renewable Energy companies - leading, established, and top emerging players - with analyst insights,

The aim of this study is to investigate the renewable energy policies and the political organizations that shape these

A "Mineral" Boost for the Türkiye-Germany Energy Partnership The 7th Turkish-German Energy Forum was

Major Developments in Türkiye Aggregation Activities in Turkish Electricity Market Acceleration of Permit and Approval Processes in

Detailed info and reviews on 62 top Energy companies and startups in Turkey in 2026. Get the latest updates on their

Information about Türkiye's energy sector, with a detailed sector report, including advantages the sector offers to investors.

Türkiye's renewable energy market has experienced substantial growth with renewable

Turkey has unveiled its National Energy Plan for 2035, showcasing its determination to accelerate its transition

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