

Technology that can generate electricity without wind



Overview

Hybrid wind turbines like SmartGen's can generate power even without wind. Energy storage using compressed air ensures a stable power supply.

Technology that can generate electricity without wind



[Can Wind Turbines Generate Electricity Without Wind?](#)

Can wind turbines generate electricity without wind? Discover how smart technology and hybrid systems maximize energy production even on calm days.

Massachusetts Institute of Technology

Mariano Salcedo '25, a master's student in the new Music Technology and Computation Graduate Program, is designing an AI to visualize and express music and other sounds.



[Explainer: What is quantum technology and what are its benefits?](#)

Quantum technology will be worth trillions of dollars and transform the economy over the next decade. What is it, and how can we build a quantum economy?

[Can New Wind Turbines Generate Electricity Without Wind?](#)

Yes, there are several alternative wind turbine technologies being developed, including vertical axis wind turbines (VAWTs) and airborne wind energy systems (AWES).



[Top 10 Emerging Technologies of 2023](#)



[World Economic Forum](#)

The Top 10 Emerging Technologies of 2023 report, now in its 11th year, highlights the technologies set to positively impact society within the next three to five years. This comprehensive

[MIT News , Massachusetts Institute of Technology](#)

MIT News is dedicated to communicating to the media and the public the news and achievements of the students, faculty, staff and the greater MIT community.



[Should Schools Curtail the Use of Technology? Congress Fuels Debate](#)

The debate over whether education technology is a critical learning tool or ineffective and detrimental to children's well-being comes as billions in federal pandemic relief money-the bulk of

Computer science and technology

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[These are the Top 10 Emerging Technologies of 2025](#)

The World Economic Forum's latest Top 10 Emerging Technologies report explores the tech on the cusp of making a massive impact on our lives.

[Next-generation geothermal energy: Promise, progress, and](#)

The technology, which could be particularly useful for geothermal installations in superhot and deep rock, is being commercialized by MIT spinout Quaise Energy. MITEI is sponsoring next



[8 Proven Ways to Generate Power Off Grid \(2026 Complete Guide\)](#)

Discover the most reliable methods to generate power off grid, from DIY solar and micro-hydro electricity to advanced LiFePO4 battery systems.

[Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.



[Revolutionary Gas Turbine Generates Power Without Air](#)

First successful power generation without a compressor Integrating a turbine with the combustion chamber to produce electricity introduces additional complexity. "This is extremely

[Top 10 Emerging Technologies of 2025 , World Economic Forum](#)

The Top 10 Emerging Technologies of 2025 report highlights 10 innovations with the potential to reshape industries and societies.



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