

# Energy security in the world



## Overview

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In the past two years, many governments have faced reevaluating their approach to energy security because of skyrocketing energy prices, the cost of living challenges that followed and the geopolitical risk associated with securing energy sources. The IEA has been at the heart of international energy security for 50 years - working to avoid, mitigate and manage energy disruptions and crises. At the World Economic Forum's Sustainable Development Impact Meetings 2025, an expert panel discussed the impact of these trends on the energy. New analysis shows that replacing fossil imports with three key levers—electric vehicles, heat pumps, and renewables—can cut net fossil fuel imports by 70%, saving importers \$1.

## Energy security in the world

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### A strong focus on oil security will be critical throughout the clean

Much has changed in the global energy landscape since the IEA was founded 50 years ago, but the security of oil supply remains a pressing concern for governments across the globe.

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## Energy security and the green transition

This paper examines the historical determinants of the security of energy supply and analyzes the green transition implications for energy security.



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### Energy security in energy transitions - World Energy Outlook 2022

Energy security is not just about having uninterrupted access to energy, but also about securing energy supplies at an affordable price. It is a topic of perennial importance, and is once again high on the policy ...

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## Energy Security , RAND

Because most of the world's oil and natural gas resources are concentrated in a small number of countries, many nations have economic, social, and geopolitical concerns ...

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## Energy security

Overview Threats Long-term security Short-term security See also External links

Energy security is the association between national security and the availability of natural resources for energy consumption (as opposed to household energy insecurity). Access to cheaper energy has become essential to the functioning of modern economies. However, the uneven distribution of energy supplies among countries has led to significant vulnerabilities. International energy relations ha...

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## Global Energy Security , S& P Global

Energy security plays an important role to the global economy. This article reviews the importance of energy security, geopolitical risk and more.

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## Strategies for Ensuring Global Energy Security

Explore the evolving landscape of energy security in 2025, addressing geopolitical shifts, climate challenges, and technological strategies.

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## Emerging Energy Security Risks in Today's Context

Russia's invasion of Ukraine and the destabilization of the Middle East have brought energy security back into focus. While these geopolitical risks present ongoing energy ...



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## Energy Security - Topics

Threats to energy systems are constantly evolving. The IEA continually monitors and analyses these threats, including geopolitical risks, cyberattacks on energy infrastructure, supply chain disruptions ...

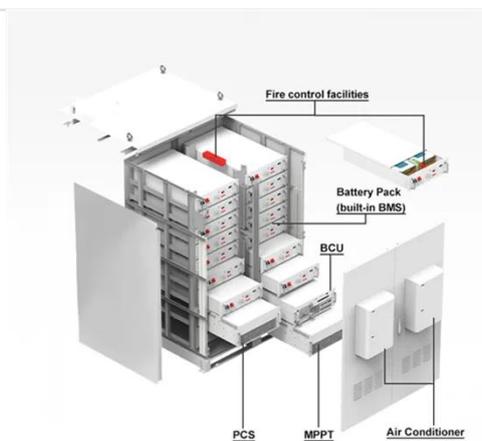
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## World Energy Outlook 2024 - Analysis

This year's Outlook comes against a backdrop of escalating risks in the Middle East and heightened geopolitical

tensions globally, and explores a range of energy security issues that decision makers face as they proceed ...

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## Energy Security in an Insecure World

As governments and business leaders meet at the IEA's Summit on the Future of Energy Security this week, they should take a sober look at the energy security risks that their ...

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## Energy security - Analysis

Energy security - Analysis and key findings. A report by the International Energy Agency.

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## World Energy Outlook 2025 - Analysis

Updated annually to reflect the latest energy data, technology and market trends, and government policies, it



explores a range of possible energy futures and their implications for energy security, access and emissions.

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## Geopolitical tensions are laying bare fragilities in the global energy

To address the evolving energy challenges faced by countries around the world, the IEA is convening an International Summit on the Future of Energy Security in the second quarter of 2025.

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## Balancing the energy transition with energy security , World ...

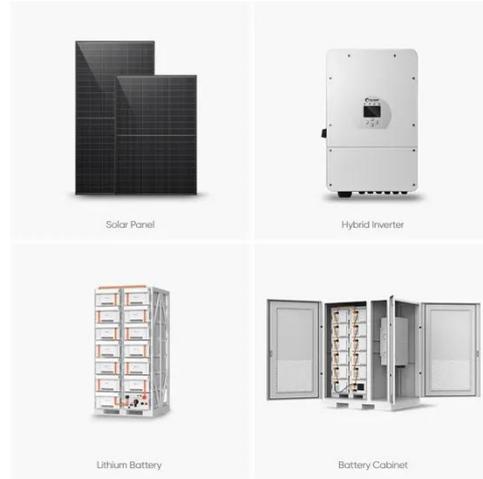
How is a renewed global focus on energy security, shaped by geopolitical, supply chain and economic volatility, reshaping the global energy transition?

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## IEA - International Energy Agency

The International Energy Agency works with countries around the world to shape energy policies for a secure and sustainable future.

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## Security, affordability and sustainability - World Energy Outlook 2024

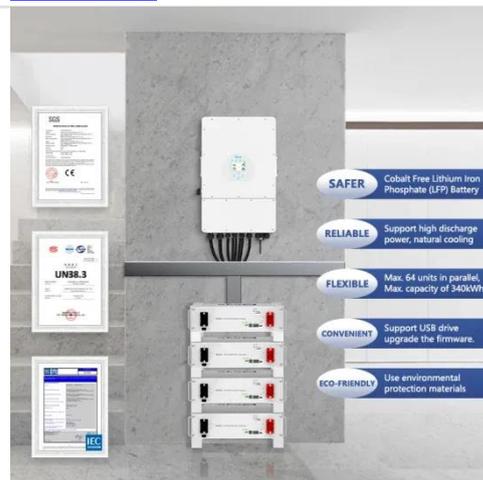
Policy makers need to balance goals related to energy security, affordability and sustainability. Some policy choices can simultaneously boost all three, but many require trade-offs.

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## Executive summary - World Energy Outlook 2025 - Analysis

Countries are prioritising energy security and affordability but are reaching for different levers to achieve them. Some, including many fuel-importing countries, lean towards renewables and efficiency as solutions. Others ...

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## Energy Security - Topics



The event gathered world leaders to address traditional and emerging risks related to energy security in an era of geopolitical strains, technological transformation and a changing ...

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## Building energy resilience in an uncertain world

Securing stable supply requires managing considerations such as where a country's fuel is sourced, how energy is stored and ...

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