Energy Transition and Energy Internet

Overview

By Alexandra Garatzogianni – Arguing that Europe must better align digital growth and energy planning to manage rising electricity demand and protect competitiveness and resilience. Artificial. This means combining clear rules, smart financing and human capability that is enhanced by more training and investment in people. Leaders will gather at the World Economic Forum Annual Meeting 2026 to discuss how to protect the environment while also driving economic growth. The next phase of. BloombergNEF's New Energy Outlook 2026 reveals that recent, successive energy market shocks could be a boon for the energy transition as some countries look to decouple from imported fossil fuels and bolster their energy security. Electricity demand is now rising almost everywhere, driven by. Department of Business Administration, Institute of Graduate Research and Studies, University of Mediterranean Karpasia, Mersin 33010, Turkey Author to whom correspondence should be addressed. Achieving sustainable growth in emerging economies requires more than expanding clean energy; it also. at is the Digital Energy Transition and Why Does It Matter?

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Article Content

Statistical Review of World Energy 2025 | Energy

Kearney collaborates with the Energy Institute and others on the 74th publication of the Statistical Review of World Energy. This year''s data captures a

Research on Key Challenges and Technologies Ahead for Energy

At present, net-zero carbon emission has become a global goal, which accelerates the energy transition to use more clean electricity generated by variable renew

Global Landscape of Energy Transition Finance 2025

This fourth edition of the Global Landscape of Energy Transition Finance, produced by IRENA and CPI, provides an updated view of global investments across renewables and wider

What is the Digital Energy Transition & Why Does It Matter?

By leveraging digital solutions, the energy transition can effectively integrate renewable energy sources, paving the way for a cleaner and more sustainable energy future.

World Energy Transitions Outlook 2024

IRENA''s 1.5°C Scenario, set out in the World Energy Transitions Outlook, presents a pathway to achieve the 1.5°C target by 2050, positioning electrification and efficiency as key transition drivers, enabled

EU countries to call for faster green transition over Iran fuel crisis

EU countries to call for faster green transition over Iran fuel crisis A draft agreement on the bloc''s energy and climate diplomacy is steeped in security and autonomy concerns.

Copper Miners ETF | CPPR

The Copper Miners ETF offers pure play exposure to copper mining companies. Exclusive focus on the upstream opportunity offered by copper miners, which stand to benefit from anticipated

Three lessons on the energy transition in an age of crisis

Three crises have reshaped the energy transition. The challenge now is to design systems that are resilient to shocks and aligned with regional realities.

COP31-IEA High-Level Energy Transition Dialogue

Background information The COP31 Presidency and the IEA will hold the first in a series of High-Level Energy Transition Dialogues in the lead-up to COP31 in Antalya, Türkiye, bringing

Geopolitics of the energy transition: Energy security

As the world moves towards a renewables-based energy system, the nature and priorities of energy security will evolve in step with these essential elements of the transition. This report cautions

Energy Internet: A Novel Green Roadmap for Meeting the Global

Energy Internet has caught an attention of the global academic community, and it is being implemented actively. This paper describes the basic features and the

Towards an interoperability roadmap for the energy transition

Connectivity within and beyond the energy sector is needed to make the twin digital and green transition happen. Data exchange within the energy sector and with its interconnected

Global Renewable Energy Investment Hit USD 807 Billion in 2024

Record investment in renewables, but growth pace slows to 7.3% Abu Dhabi, United Arab Emirates, November 17, 2025 – Global investments in the energy transition reached a new

Smart Grid to Energy Internet: A Systematic Review of

This paper has attempted to study the aptness of Energy Internet for a transitioning electricity system by focusing on national electricity systems

BloombergNEF''s New Energy Outlook 2026: Transition to Newer ...

BloombergNEF''s New Energy Outlook 2026 reveals that recent, successive energy market shocks could be a boon for the energy transition as some countries look to decouple from imported

Bridging the Digital–Energy Divide: Artificial Intelligence,

Achieving sustainable growth in emerging economies requires more than expanding clean energy; it also relies on the synergistic role of Artificial

Encouraging energy transition innovation and investment

From artificial intelligence (AI) to advanced manufacturing, progress now requires digital and energy infrastructure to evolve in harmony to remain

Energy Policy of Poland until 2040 (EPP2040)

On 2nd February 2021 the Council of Ministers have adopted the Energy policy of Poland until 2040 (EPP2040). The document presents an ambitious, consistent and responsible way of carrying out the

AECOM | AECOM

Insights Energy transition Project Intuit Dome Report Social Infrastructure Article What do you need to build the energy workforce of the future?

Kazakhstan announces just energy transition investment platform

Kazakhstan has today, at the Regional Ecological Summit 2026 in Astana, announced its just energy transition investment platform (QaJET), as part of its climate, economic resilience and

The world''s leading offshore energy company | Ørsted

Renewable energy helps further the energy transition, but developing, building, and operating offshore wind farms might also come with adverse impacts. From

Energy Transition: Where Are We Headed in 2026?

The energy transition is accelerating. But how far has this progress taken us, and what will determine whether current momentum is enough?

Governing the unseen: interdependencies in Europe''s digital–energy ...

Governing the unseen: interdependencies in Europe''s digital–energy transition and sovereignty By Alexandra Garatzogianni – Arguing that Europe must better align digital growth and

Q& A: How will the 2026 energy crisis affect Germany''s energy transition?

The 2026 energy crisis triggered by the war in Iran could heavily impact Germany''s energy transition. This Q& A examines how rising prices are shaping policy decisions, investment,

Recent advancement of energy internet for emerging energy

Key features of the energy internet such as energy sources, communication technologies, data computation, energy management systems and financial analysis are highlighted to enhance

Batteries and Secure Energy Transitions – Analysis

Batteries are an important part of the global energy system today and are poised to play a critical role in secure clean energy transitions. In the

Morocco speeds up green energy investment with 22bn dirhams in

Morocco approved energy projects worth nearly 22bn dirhams in the first three months of 2026, according to Energy Transition Minister Leila Benali. Speaking in parliament, she said projects

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