

What is the energy sector like in Romania?

Romania's energy sector is key to its evolving economy and security policy. It has a diverse energy mix, including coal, natural gas, nuclear, hydroelectric, and renewable sources. The largest share of electricity production historically came from coal and natural gas, followed by hydroelectric and nuclear power.

Does Romania have a smart grid?

Electrica Group provides energy to 3.7M homes and businesses in Romania and is undertaking a significant programme to modernize the country's energy infrastructure as part of a smart energy transition. Smart grid will play a massive role in this transition, but the key questions are "how?"

Who manages the electricity transmission system in Romania?

The electricity transmission system in Romania and the interconnection system with its neighboring countries is managed and operated by Transelectrica SA company (the Romanian TSO). They also manage the market operation, the grid and market infrastructure development, and the security of the national energy transmission system.

Does Romania need a strategy for energy storage?

Based on the EU context and planning a significant uptake of renewable energy sources in its electricity mix over the following decades, Romania must also develop a strategy for the deployment of energy storage technologies.

What is Romania's energy transformation?

Renewable energy sources, nuclear power (via completion of Cernavoda NPP Units 3 and 4, refurbishment of Unit 1, and deployment of SMRs), and natural gas - the latter considered a transitional energy source - form the backbone of Romania's energy transformation. Romania's coal production is expected to decrease by 12.5% in 2023.

Can storage technologies improve energy security in Romania?

Such enhanced legislation is needed for implementing the Romanian National Energy and Climate Plan (NECP), which lists 'developing storage capacities' as an instrument to improve energy security but lacks detail on how storage technologies will be deployed until 2030.

The petroleum industry in Romania dates back to ancient times, when the Romans found oil in the province of Dacia. In 1857 Romania became the first country in the world to officially record oil production of 275 tonnes. A recent Romania energy investment backed by the European Investment Bank finances a new chapter in this ancient story.

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The energy ministries in Romania and the Republic of Moldova and Techcelerator announced the launch of the SEE CleanTech Accelerator, a new accelerator dedicated to startups and innovators from ...

At the end of 2018, the insurance company Euler Hermes, a subsidiary of the Allianz Group, estimated Romania's investment needs in transport infrastructure at over EUR70 billion by 2030. Logistics. The positive evolution of private consumption in recent years has influenced logistics services in Romania.

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With the ever-increasing demand for sustainable energy solutions for our homes and industries, modernizing and expanding the power grid has an essential role in creating a resilient energy infrastructure. Energy infrastructure enables the ...

The Green Revolution Association, the first urban ecology NGO in Romania, in partnership with Raiffeisen Bank Romania and Mastercard, propose an innovative solution for the problem of infrastructure sustainability. The concept, already launched in Bucharest, is based on pop-ups of infrastructure that integrate some essential elements for the sustainable future of ...

Romania has set a share of renewable energy in total energy consumption of 30.7% but taking into account the new objectives proposed by the European Commission regarding the decarbonization and renewable energy targets in 2030 according to the Green Deal Package, namely increasing the share of renewable energy in gross energy consumption at ...

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The European Commission has published the Integrated National Plan in the field of Energy and Climate Change (PNIESC) of Romania for the period 2025 - 2040, the Ministry of Energy announced on Friday. According to the quoted source, based on Romania's request, the document includes 89 additional policies and measures aimed at increasing the share

Together, the group of companies offers some of the most important energy, telecom, construction and smart city infrastructures in Romania. Being entered the energy market in 2007, Nova Power & Gas has an offer and a portfolio of ...

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People cross a street backdropped by a mural by Romanian artist IRLO in Petrosani, southern Romania, Friday, Oct. 11, 2024. The mural depicts the evolution of the Jiu Valley, Romania's coal mining region as steps ...

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People cross a street backdropped by a mural by Romanian artist IRLO in Petrosani, southern Romania, Friday, Oct. 11, 2024. The mural depicts the evolution of the Jiu Valley, Romania's coal mining region as steps are taken to move away from coal based energy production to green energy solutions. (AP Photo/Vadim Ghirda)

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