

What does the IEA say about Estonia?

The IEA commends Estonia for the steps it has taken to end all remaining energy trade with Russia while ensuring regional energy security, and for the work to accelerate the energy transition, including setting a 2050 carbon-neutrality target and a target for 100% of annual electricity demand to be covered by renewable energy by 2030.

Does Estonia use natural gas?

Natural gas plays a relatively minor role in Estonia's energy system and is used mostly for heating. In 2021, natural gas accounted for just 8.6% of total energy supply (versus the IEA average of 30%) and came mostly from Russia.

Is Estonia connected to the Western European electricity system?

Since the middle of the last decade, Estonia has become increasingly linked to the Western European electricity system. In 2006, the EstLink 1 direct current interconnection between Estonia and Finland was completed, making it the first interconnection for Estonia and the Baltic states with Scandinavia.

How can Estonia achieve a 100% renewable electricity target?

A major electricity system transformation is needed to achieve the 100% renewable electricity target and put Estonia on the path to climate neutrality.

How is Estonia ensuring regional gas security?

Estonia has taken steps to ensure regional gas security while working to reduce its gas demand and decarbonise its gas supply. Natural gas plays a relatively minor role in Estonia's energy system and is used mostly for heating.

What are Estonia's ambitious energy goals?

Estonia's ambitious targets require accelerated renewables deployment, increased electrification and phasing out oil shale generation while ensuring a just transition that maintains energy affordability and supports economic development in the oil shale region.

• Lemiste City, the largest business campus in the Baltic States located in the Estonian capital of Tallinn, is set to introduce an artificial intelligence-based energy management system in all its ...

Finally, nZEB and IEEM will join forces to study interactions between buildings and energy system by district scale energy use and generation modelling and management with the aim to ...

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Sustainable energy capacity is growing year-on-year in Estonia across a range of segments including waste-to-energy, solar, wind, and biomass. Estonia's state energy strategy requires renewables to produce the majority of electricity and ...

So meet Fusebox -- an Estonian energy management service, is changing the way companies handle their energy consumption. Fusebox's logic is simple and yet unique - they let energy hungry machinery know when there is an energy ...

Elering is responsible for the functioning of the Estonian electricity system as a whole, ensuring the required standard of electricity supply to consumers at all times. For this purpose, Elering manages and develops the national ...

H2 Core Systems designs, constructs, and maintains modular and configurable electrolysis systems, producing green hydrogen. The focus is on a green and sustainable future with an efficient, cost-effective, and scalable hydrogen ...

Eesti Energi has completed the procurement for its 26.5MW/51MWh BESS, the first of that scale in Estonia, with LG Energy Solution among the successful parties. The battery energy storage system (BESS) will ...

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Estonian telecoms firm Enefit Connect OÜ, the country's main energy grid operator Elektrilevi OÜ; and German smart grid platform envelio GmbH are collaborating on rolling out an intelligent grid platform nationwide ...



# Estonia intelligent energy system

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