

Which energy sources are used in Latvia?

Latvia has underground gas storage facilities at the Inčukalna UGS, with a capacity of 4.47 billion m<sup>3</sup>. Natural gas companies include Latvijas Gāze. Renewable energy includes wind, solar, biomass and geothermal energy sources. Almost half of the electricity used in the country is provided by renewable energy sources.

Does Latvia need a smart energy infrastructure?

Latvia already has the necessary energy infrastructure in place in order to successfully harness smart renewable energy on the coasts and in the forests of Kurzeme, as well as collaborate with its Nordic neighbours in electrical trade.

What is the EU's energy policy for Latvia?

The current EU policy dictates that Latvia must increase the share of renewable energy in its final energy consumption and Latvia has plans to reach 50 percent by 2030 according to the EU's National Energy and Climate Action Plan 2030. Much of Latvia's heat and electricity still comes from imported natural gas.

How can Latvia reduce its reliance on foreign sources of energy?

The Latvian government is interested in diversifying supplies and in developing more local resources to reduce the country's reliance on foreign sources of energy. To reach these targets, government agencies and entrepreneurs have discussed options to move beyond hydropower into wind and biomass power plants.

How much electricity does Latvia use per capita?

In 2018, electricity consumption per capita was 3731 kWh. Latvia has adopted the EU target to produce 50% of its energy from renewable sources by 2030. The 2021-30 plan set a target of reducing greenhouse gas emissions by 65% compared to 1990. There is a target of being carbon neutral by 2050.

Can Latvia import natural gas from Russia?

From 1 January 2023 Latvia banned the import of natural gas from Russia. The replacement comes from connections to LNG terminals, the Klaipėda LNG terminal in Lithuania, and from 2024 the recently-opened Inkoo LNG terminal in Finland. JSC Conexus Baltic Grid is the natural gas transmission system operator in Latvia.

Energolukss is the first specialized backup and guaranteed power supply company in Latvia with main focus on delivery, installation, maintenance, repair and rental of generators and UPS equipment. Since 2018, e-mobility and solar energy solutions have also been delivered.

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The main renewable resource is hydroelectric power. Latvia has laws that regulate the building of power plants and plans to sell electricity at higher prices. This is a stimulus for investment, especially taking into consideration the fact that Latvia ...

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With the support of the Prototech programme of the Investment and Development Agency of Latvia Technology Business Centre, 6 prototypes have been developed in the currently topical ...

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In order to create further added value to the wind farm energy, Norwegian, Swedish, and Latvian companies have established a joint project management team SIA "CIS Liepaja", to conduct the necessary



## Latvia energia power solutions

research and to build a renewable energy complex &quot;Power to X terminal in the Port of Liepaja&quot;, including a hydrogen production plant and the port ...

Latvia's smart energy sector encompasses hydrogen initiatives (Naco Technology, Green Tech Cluster), wind energy, solar (Latvenergo, Institute of Physical Energetics), hydroelectric power (Latvian HPP), and ammonia based energy solutions (PurpleGreen). The sector also focuses on the production, transportation, transformation, and utilization ...

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