



Latvia smart power solution

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.

How much does smart metering cost in Latvia?

The cost to implement one smart meter connection point was EUR 40, and the total programme investments comprised EUR 44.5 million, one of the lowest costs compared with other similar projects in other European countries, therefore making Latvia the leading country in Europe in smart metering implementation from a cost benefit perspective.

What is the most ambitious digitalisation project in Latvia?

"The implementation of the electricity smart metering programme is the most ambitious digitalisation project in Latvia in recent years. Targeted investments in the company's digital transformation have led to a significant increase in operational efficiency.

Latvia is punching above its weight to become an innovative player in hydrogen technologies for energy storage and smart grid solutions. In September 2024, TechTour Hub will host and organise "The European Hydrogen Valleys 2024" international conference in Riga, bringing together industries across Europe. The

Sanxing has won three projects in Latvia, and has implemented a total of 800,000 G3-PLC smart meters since 2017, accounting for 80% of the overall market capacity. This project is the first large-scale deployment of the G3-PLC overall solution in Northern Europe.

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Latvian distribution system operator Sadales tīkls AS has reported completing the smart meter rollout to 1.1 million metering points throughout the country. The company has reported that almost all of its approximately 790,000 customers now have smart meters, except for a small number, less than 1%, that have not been able to be accessed so far.

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



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based ...

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Smart energy is one of the most forward-thinking and progressive sectors that you can think of and traditionally the leading field in Latvia, offering state-of-production processes. To no surprise, we are in 3rd place in Europe in terms of the percentage of renewable energy used for heating and cooling (2022).

RIS3 specialisation area "Smart energy" has contributed to the development of new materials, engineering and digital solutions to improve energy efficiency in buildings and construction, smart grids, power system efficiency improvements, the development of alternative fuels for transport, and research on renewable energy sources.

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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