Electrical grid management Latvia

Will electricity be the cornerstone of Latvia's energy transition?
Electricity will be the cornerstone of Latvia's energy transition. Latvia's hydro-dominated electricity system provides a favourable starting point to use clean electricity to decarbonise other economic sectors and meet the target of 57% renewables in total final consumption by 2030.

What is the development plan of the Latvian transmission system?
The development plan of the Latvian transmission system also examines the dynamics of renewable energy power plant connections to the electricity transmission network, as well as perspective development projects on the shores of the Baltic Sea region.

Does Latvia have a 330 kV power network?
Latvia's 330 kV power networkrepresents the middle point of the energy system of the Baltic states between its northern and southern parts. All 330 kV substations,except for "Daugavpils",have a dual power supply. The 110 kV network has a circle scheme. The majority of the 110 kV substations have two transformers and a dual power supply.

What is the most ambitious digitalisation project in Latvia?
"The implementation of the electricity smart metering programmeis 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.

Can Latvia achieve energy savings by renovating its building stock?
Latvia could achieve considerable energy savingsby renovating its building stock. Latvia holds considerable potential to accelerate energy efficiency outcomes in the buildings sector,which will go a long way toward meeting climate targets and lowering energy bills.

Does Latvia need liquefied natural gas?
For natural gas,Latvia will become heavily relianton liquefied natural gas (LNG) supply as well as (soon to be expanded) gas storage. Meanwhile,Latvia will remain fully dependent on oil imports,and will have to manage supply diversification efforts (without Russian supply) accordingly. Latvia 2024 - Analysis and key findings.

The transmission network links Latvia"s power stations with the energy systems of its neighbouring countries as well as distribution network companies, thus providing the consumers with the necessary amount of electricity in real time, as well as with the possibility for producers to export and for traders to import electricity from the ...

According to Republic of Latvia the Cabinet of Ministers Regulations regarding types of regulated public utilities in the energy sector (electricity and natural gas), the Regulator regulates: o the generation of electricity

in power plants if the installed electric capacity is ...

These changes have created new vulnerabilities that Latvia needs to manage carefully. In electricity, Latvia will need to move forward with efforts to synchronise with the European grid on an accelerated timeline. For natural gas, Latvia will become heavily reliant on liquefied natural gas (LNG) supply as well as (soon to be expanded) gas storage.

Electricity producers must comply with the requirements of the Commission Regulation (EU) of 14 April 2016 establishing a network code on requirements for the grid connection of generators. Electricity producers must ...

The synchronisation of the Baltic States" electricity grid with the Continental European Network is planned to be implemented in 2025, but more than a decade has passed since the first steps in Lithuania. We present all the major events since 2007 up to now.

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Electricity producers must comply with the requirements of the Commission Regulation (EU) of 14 April 2016 establishing a network code on requirements for the grid connection of generators. Electricity producers must obtain a permit for the introduction of a new electricity production facility or an increase in the electricity production ...

High voltage power transmission and servicing the 330kV and 110kV power transmission lines in the Territory of Latvia. The physical flows of electricity shown on the map are technical transit flows that enter the power system across one border and leave the power system across another border.

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Latvian transmission system operator AST has concluded two agreements to receive EUR73.24 million ($79.42 million) to develop the electricity transmission network and prepare for the synchronisation of the Baltic states with Europe.

A study commissioned by Latvian transmission system operator JSC "Augstsprieguma tikls" (AST) and carried out by French consultancy Artelys, shows that innovative grid measures can help increase the hosting capacity of the national electricity grid by up to 40%, the company said September 5.

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