

## SolarInnovate Energy Solutions

# Vilnius outdoor power supply modification



## Overview

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How can Lithuania improve its power supply?

This includes ensuring reliable power supply to the capital city of Vilnius, reconstruction of substations in North-Eastern Lithuania, strengthening the transmission grid of Western Lithuania to support disconnection from the Kaliningrad region of Russia.

Does Lithuania use IPS / UPS?

Historically, the Lithuanian electricity system operated synchronously with the IPS / UPS system, which connected the systems of Belarus, Russia, Estonia, Latvia, Lithuania and other countries. That made Baltic States dependent on system-wide frequency management done in Russia, and also susceptible to potential failures in that system.

Does Lithuania have a synchronous electricity system?

The electricity systems of the Baltic states from 9th February 2025 operate in one synchronous area together with the systems of other European countries. Historically, the Lithuanian electricity system operated synchronously with the IPS / UPS system, which connected the systems of Belarus, Russia, Estonia, Latvia, Lithuania and other countries.

Will Lithuania achieve energy independence?

Synchronisation of the national electricity with the Continental Europe is the last step towards Lithuania's energy independence. The electricity systems of the Baltic states from 9th February 2025 operate in one synchronous area together with the systems of other European countries.

Who authorized Litgrid to synchronise the Lithuanian electricity system?

In the same year, the Government of the Republic of Lithuania authorized Litgrid to implement the actions of synchronisation of the Lithuanian electricity system with the Continental European Network. 2013.

Why did the Seimas of Lithuania adopt a law?

The Seimas of the Republic of Lithuania adopted a law establishing the goal of integration of the Lithuanian electricity system with the Continental European Network.

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