

Power supply to base stations in Lithuania





Overview

Which are the biggest power stations in Lithuania?

The following page lists the biggest power stations in Lithuania: Ignalina Nuclear Power Plant (two RBMK reactors, decommissioned in 2009, located at 55.6055297, 26.5624094), Elektrėnai Power Plant (located at 54.7697761, 24.647913), Klaipėda Geothermal Demonstration Plant (located at 55.6844741, 21.2017894), and Kaunas Hydroelectric Power Plant (located at 54.8739893, 23.9994836).

Which power plant provides energy storage in Lithuania?

Kruonis Pumped Storage Plant provides energy storage, averaging electrical demand throughout the day. The pumped storage plant has a capacity of 900 MW (4 units, 225 MW each). Kaunas Hydroelectric Power Plant has 100 MW of capacity and supplies about 3% of the electrical demand in Lithuania.

How do hydro pump stations work in Lithuania?

The hydro pump stations in Lithuania were modelled as load during the off-peak hours for pumping water into the reservoir. This caused the power flow from north to the south. In contrast, during the winter peak hours, the power flow reversed.

Will lavastream install a thermal power plant in Lithuania?

Lavastream plans to install a thermal power plant with a capacity of around 30 MW in Klaipėda and 15 MW in southwestern Lithuania by 2028, as well as a geothermal-geological long-range electricity storage system.

How much electricity does Lithuania generate?

According to Litgrid's (Lithuania's electricity transmission system operator) preliminary data, in the first half of the year 2024, the national electricity generation amounted to 3,783.4 GWh, of which RES accounted for 2,990.1 GWh.

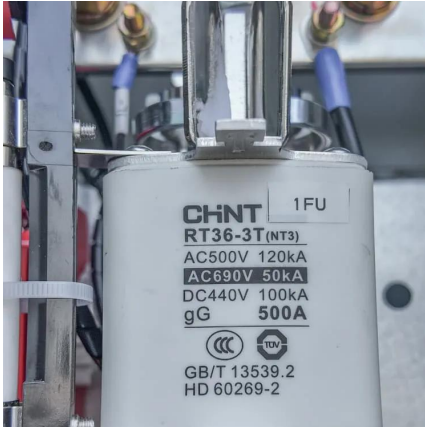


How DH &C systems are being implemented in Lithuania?

Currently part of DH systems in Lithuania is installing and/or planning to install heat storage facilities, which will enable an increase the efficiency and enhance the living age of biomass-burning DH&C systems. These are mainly insulated hot water tanks and/or underground water tank storage.



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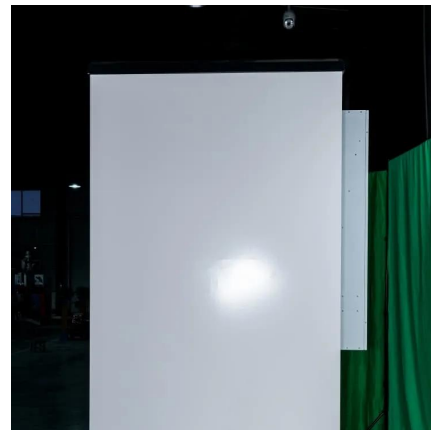


[Kruonis Pumped Storage Hydroelectric Power Plant \(KPSHP\)](#)

When planning the construction of a nuclear power plant for the future, it became obvious, that a pumped storage plant, which would regulate the operation of the energy system and level load ...

[Klaipėda Port's Green Shift: Shore Power Infrastructure ...](#)

The electrification will begin with the installation of three stations at the Klaipėda Central Terminal, designed to provide electricity to the RoRo ferries. Another station will be ...



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