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Slovakia Electrochemical Energy Storage Power Station





Overview

The Slovakian project will be the first of its kind in Europe, delivering gigawatt-hour-scale energy storage capacity to capture surplus electricity from VVB's hydropower stations and dispatch it to the national grid when needed. What is the main source of electricity in Slovakia?

Nuclear power plants are the main source of electricity production in Slovakia. In 2022, over 59 percent of total electricity generation in the country was derived from this source. By comparison, hydroelectric power plants accounted for 13.7 percent of power production, the most of any renewable source.

How many regional electricity distribution companies are there in Slovakia?

2.3.1 There are three regional electricity distribution companies in Slovakia (ZSE Distribúcia a.s., SSE - Distribúcia a.s. and Východoslovenská distribučná a.s.), each of which has a natural monopoly in its particular region.

How is the electricity market regulated in Slovakia?

1.2.1 The electricity market in Slovakia is regulated by way of standard trading forms such as bilateral contracts, auctions and the balancing market.

What is the capacity of energy storage facility?

Energy storage facility of a cumulative installed capacity of 384 MW, storage capacity allowing a net annual electricity generation of 250 GWh. The storage will consist of several smaller units (~32-64MW) located in Slovakia (central Europe).



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SLOVAKIA ELECTROCHEMICAL ENERGY STORAGE

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Slovakia shared energy storage power station

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