



**BUHLE POWER**

# **Slovakia Smart Energy Storage Base Project**





## Overview

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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).

How many customers does ZSE Energia serve?

In 2019, ZSE Energia serves more than 1 million customers and delivers annually 9 TWh of energy. Realization timeline 2019 2020 1 2021 2022 2 2023 2024 3 2025.

Who is ZSE Energia?

The company is one of the most innovative power and gas suppliers in the region. In 2019, ZSE Energia serves more than 1 million customers and delivers annually 9 TWh of energy. Realization timeline 2019 2020 1 2021



## Slovakia Smart Energy Storage Base Project

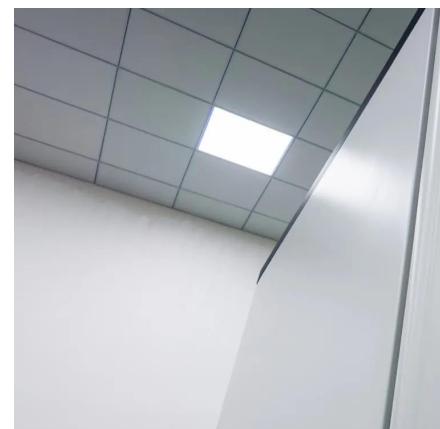


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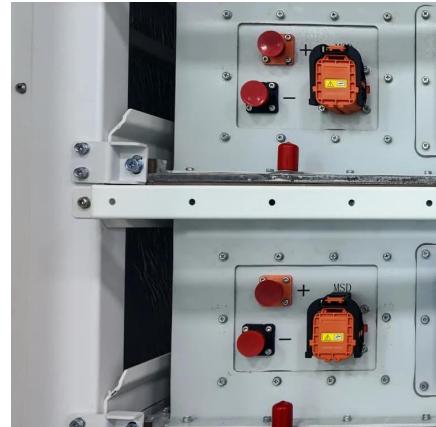
### [Slovakia smart grid and energy storage](#)

The first smart battery storage system brAln with a capacity of 432 kWh is officially working and is already achieving excellent results. Although similar high-capacity batteries exist in ...



## CEF Energy: supporting modernisation of Cierny Váh pumped hydro storage

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...

## ZSE, Elsea

Aug 20, 2025 · Considering energy density, charge and discharge efficiency, life span, and ecofriendliness of devices, the battery storage shall be based on Lithium-ion technology. In ...



## Powering the Future: Inside Bratislava's Large-Scale Energy Storage Project

When you think of Bratislava, medieval castles and Danube River views might come to mind. But did you know Slovakia's capital is now charging ahead (pun intended) with Europe's most ...



## Europe's First Pumped Thermal Energy Storage in Slovakia

Dec 5, 2025 · Westinghouse, VVB, and Echogen to build Europe's first pumped thermal energy storage system in Slovakia, enabling gigawatt-hour-scale clean energy storage.



### **Leading the charge**

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