

# **The largest energy storage project in Slovenia**





## Overview

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What is Slovenia's energy capacity?

The reference capacity in the related scenario is 1.1 GW, from a range of 1 GW to 2.4 GW. A small modular reactor (SMR), of 250 MW, would come online by mid-century, the NECP reads. Slovenia plans to maintain a high level of electricity connectivity with neighboring countries, with a goal of more than 80%.

How many hydropower plants will Slovenia have by 2045?

Another pumped storage hydropower plant is seen by 2045. It would be able to generate 180 MW and store 2.6 GWh. The Integrated National Energy and Climate Plan envisages an overall 500 MW in gas power plants in Slovenia by the end of the decade.

Will Slovenia build a second nuclear power plant?

Slovenia aims to decide by 2028 whether it will build its second nuclear power plant. The government is targeting a 55.4% share of renewables in electricity, 45.2% in heating and cooling and 25.8% in transportation, according to the updated NECP for 2030.

How many MW will a pumped Energy Storage Plant have?

The rest of energy storage includes battery energy storage systems (BESS) of 400 MW in total capability. As for pumped storage hydropower plants, the plan is to add 440 MW by 2030 in both advanced scenarios. One is based on acceleration in renewables and the other on more nuclear energy. The capacity matches the Kozjak project.



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### [Slovenia Industrial Park Energy Storage Project](#)

Dec 1, 2025 · New Energy Storage Container Factory in Maribor Powering Slovenia With 32% renewable energy target for 2030, Slovenia's storage capacity needs to grow 8-fold.

### [Slovenia adopts updated Integrated National ...](#)

Dec 27, 2024 · Slovenia targets 400 MW in BESS, 100 MW in electrolyzers and more pumped storage in the updated Integrated National Energy and ...



### **HSE Spearheads 80 MW Solar & Battery Storage Projects in Slovenia**

Sep 20, 2025 · Slovenia's HSE signs a EUR100M deal for 80 MW of new solar power plants with integrated battery storage, advancing the nation's renewable energy goals for 2050.



### [C& I Battery Energy Storage System , Hybrid ...](#)

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### [Slovenia: HSE to deploy 590MW PHES and 150MW BESS by ...](#)

Sep 3, 2024 · HSE is targeting 800MW of flexibility assets across Slovenia by 2035, including pumped hydro energy storage and BESS technology.



### [Slovenia energy storage enterprise](#)

DEM runs the hydroelectric portfolio of state-owned HSE Group, including the Zlatoli?je run-of-river hydro plant. Image: HSE Group / DEM. Slovenia state-owned utility Dravske elektrarne ...





### [Home energy batterij Slovenia](#)

In October 2020, the Slovenian energy solutions company NGEN launched the largest battery storage system (BESS) in Slovenia and the region at the Talum facility in Kidricevo, north-east ...



### **Slovenia targets 800MW energy storage by 2035 with HSE's ...**

Mar 10, 2024 · This effort complements Slovenia's renewable energy expansion targets of 1,400 MW of solar and 70 MW of wind capacity, increasing grid flexibility and energy security. The ...

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