

# Emergency battery unit Slovenia

The Slovenian energy system solutions provider NGEN plans to install a minimum of 10,000 small battery storage units with a usable capacity of 13.5 kWh across Slovenia, and combine them into a single large unit, the NGEN Director Roman Bernard told Energetika .

State-owned utility and power generator HSE is targeting 800MW of flexibility assets across Slovenia by 2035, including pumped hydro energy storage (PHES) and battery energy storage systems (BESS). HSE, or Holding Slovenske Elektrarne, aims to have 175MW of flexibility resources online by 2030 before nearly quadrupling that number by 2035.

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The remit of the Emergency Preparedness Division includes ensuring the preparedness of the Administration for emergency response (in the event of nuclear or radiological accidents), cooperating with a wide range of organisations and authorities in emergency planning and response at the national level, and cooperating in emergency preparedness ...

The establishment of a battery storage system in a small hydropower power plant in Idrija is carried out by Kolektor Sisteh as part of a three-year smart grid project. New Energy and Industrial Technology Development Organization (NEDO), its authorized contractor Hitachi and ELES are the main partners.

Slovenia state-owned utility Dravske elektrarne Maribor (DEM) is planning two battery storage units totalling 60MW co-located with an existing hydroelectric unit, as well as a new pumped hydro energy storage (PHES) plant.

Battery storage systems at substations Okroglo and Pekre in Slovenia have started trial operations within a joint endeavor with Croatia. The two units have 5 MW each and a storage time of five hours, translating to 50 MWh in total.

The battery storage in Ljubljana (BTC) was installed by Riko, and the battery storage in Idrija by the company Kolektor Sisteh. ELES will use them for system services, while in the event of an emergency, they will also provide power to critical users.

Battery maker TAB Mezica plans to open Slovenia's first gigafactory for the production of battery storage systems in the northern town of Prevalje in 2024. The EUR18 million investment is expected to create up to 100 jobs. "The investment is the most important milestone for the TAB group.



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Several new battery storage projects that are being implemented in Slovenia will play an important role in balancing that country's power system and enabling the faster integration of renewables.

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