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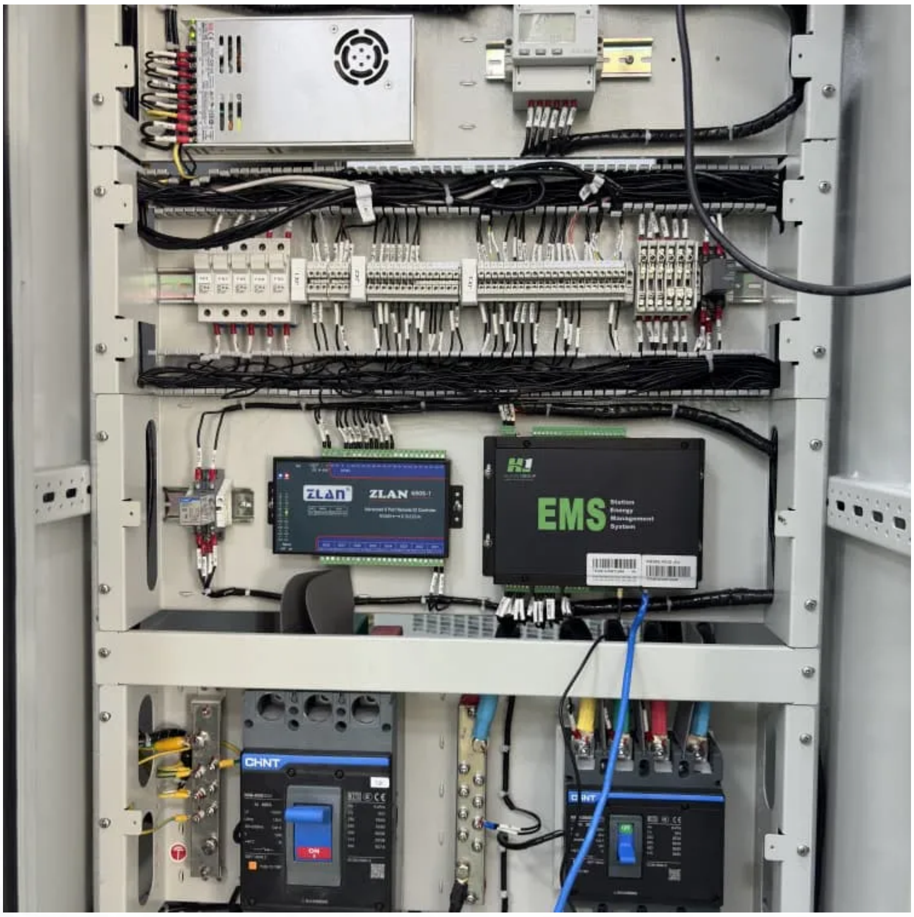
Slovenia grid-side chemical energy storage project



Overview

They are part of the SINCRO.GRID project, a smart grid investment project in Slovenia and Croatia which was launched in 2016 and with €40 million (US$43.25 million) in financing from the European Union. It aims to increase grid flexibility in both countries.

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To mark the 10th anniversary of the Connecting Europe Facility programme, the flagship EU funding instrument for energy infrastructure in Europe, the CINEA issu. The SINCRO.GRID - Phase 1 project demonstrated how distribution and transmission system operators could enable their existing.

The HyBReED project brings together 15 leading Slovenian partners in the field of hydrogen technologies, batteries and industrial transition, among which are recognized research institutions and companies. The project focuses on the development of sustainable solutions for the energy sector.

GSL ENERGY recently deployed a 480kWh C&I BESS battery energy storage system designed to provide reliable, efficient power storage for commercial and industrial operations. A Practical Approach to Renewable Energy The system was developed to meet the growing energy requirements of Slovenian.

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. There is a need for 400 MW in batteries.

Several commercially available energy storage technologies, including mechanical (pumped-storage hydroelectricity, and flywheels), electrochemical (supercapacitors, and batteries), and chemical (hydrogen), have been considered for the integration RESs into [19] Thermochemical Energy Storage:

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Slovenia's state-owned utility HSE is driving the country's energy transition with the deployment of 800MW of energy storage by 2035, including 590MW of pumped hydro energy storage (PHES) and 150MW of battery energy storage (BESS). This effort complements Slovenia's renewable energy expansion.

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