

## ContainerPower Energy Solutions

# Lithuania communication base station energy storage system settings



## Overview

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How many battery energy storage systems are there in Lithuania?

The four battery energy storage systems (BESS), 50MW/50MWh each, have been handed over by Fluence and are now providing services to Litgrid, the transmission system operator (TSO) in Lithuania. They followed a smaller, 1MW/1MWh pilot project to test the use case back in 2021.

How DH &C systems are being implemented in Lithuania?

Currently part of DH systems in Lithuania is installing and/or planning to install heat storage facilities, which will enable an increase the efficiency and enhance the living age of biomass-burning DH&C systems. These are mainly insulated hot water tanks and/or underground water tank storage.

What is Lithuania's energy strategy?

The Strategy has 4 main objectives – to ensure a secure and reliable supply of energy to all consumers, to achieve 100% climate-neutral energy for Lithuania and the region, to transition to an electricity economy and develop a high value-added energy industry, as well as to ensure the accessibility of energy resources for consumers.

What are the transport networks of Lithuania?

The transport networks of Lithuania are part of the European single market and the driving force behind the competitiveness of markets. Transport according to the type of activities is divided into: roads and road transport; rail transport; water transport; and air transport.

How much balancing capacity does Lithuania need?

So the whole region would need around 1GW of balancing capacities but Lithuania alone will need around 700-800MW of capacity for FRR. We have applications to build 800-900MW of storage, and those with a letter of intent (LOI) and bank deposit total around 150MW today.

How much electricity does Lithuania generate?

According to Litgrid's (Lithuania's electricity transmission system operator) preliminary data, in the first half of the year 2024, the national electricity generation amounted to 3,783.4 GWh, of which RES accounted for 2,990.1 GWh.

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