

PDEOZE PowerContainer

Greek Southern Power Grid Energy Storage Company



Overview

Should Greece invest in energy storage facilities?

Currently there is a growing interest for investments in storage facilities in Greece. Licensed projects mostly consist of Li-ion battery energy storage systems (BESS), either stand-alone or integrated in PVs, as well as PHS facilities .

Does Greece have a battery storage pipeline?

Greece has emerged as one of the countries with the largest pipeline of battery storage projects, but as yet there has been little activity on the ground. This is changing as the long-awaited storage subsidy auctions have started, with the first projects being awarded support for both investment and operating costs.

Why is Greece launching a battery storage auction?

Initially a response to the COVID 19 pandemic, the focus has pivoted to support Greece's green energy transition. The storage auctions themselves require further approval under EU State aid rules. The pipeline of prospective battery storage projects now approaches 27GW, with over 500 projects granted a storage license.

How long should energy storage be in a Greek power system?

Considering the energy arbitrage and flexibility needs of the Greek power system, a mix of short (~2 MWh/MW) and longer (>6 MWh/MW) duration storages has been identified as optimal. In the short run, storage is primarily needed for balancing services and to a smaller degree for limited energy arbitrage.

Why does Greece need gas storage?

The need for storage in Greece will accelerate rapidly over the next decade as renewables targets are revised upwards and coal plants are closed. The pivot

to gas, a core part of the country's energy strategy just a couple of years ago, has been upended by the disruption to supplies and price volatility caused by Russia's invasion of Ukraine.

How many storage plants are there in Greece?

Currently there are four (4) storage plants operating in Greece, two open-loop pumped-hydro storage (PHS) stations in the mainland (700 MW in total) and two small hybrid RES-storage stations in non-interconnected islands (just 3 MW).

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The meeting of the Special Standing Committee on Environmental Protection was chaired by Dionysia-Theodora Avgerinopoulou and focused on the critical issue of RES and energy storage.

While support is available for co-located projects that address grid congestion, and to replace diesel generation on islands, grid scale storage has lagged other countries.

The two projects of 30MW each, strategically located to enhance grid stability, have been fully environmentally licensed since 2024. When commissioned, they will serve as a ...

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The Southern Power Grid Energy Storage Company has significantly advanced the development and deployment of innovative energy storage solutions. One notable aspect ...

Zhejiang Nandu Power Co., Ltd. has successfully signed a contract for a 130MWh energy storage project in Greece, which will provide diversified services such as frequency ...

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