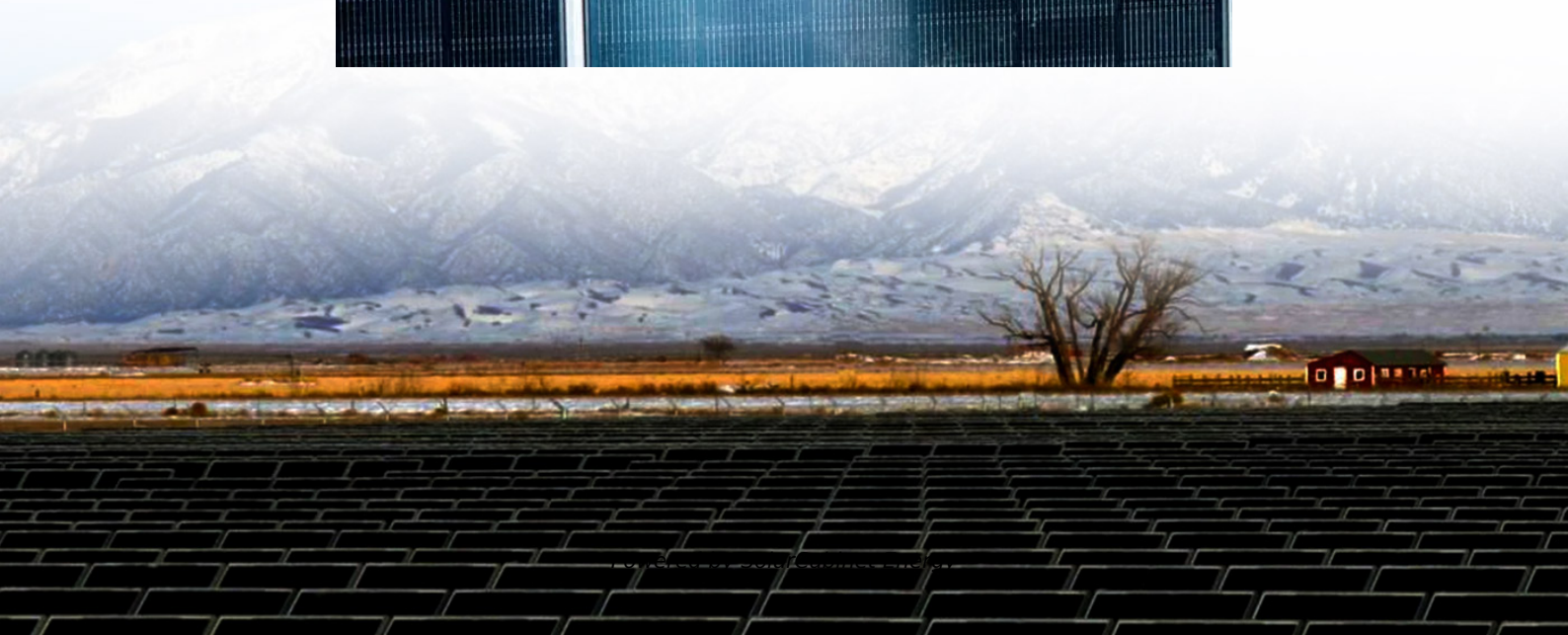


Greece Energy Storage Emergency Power Wholesale





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 .

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.

How does storage work on Greece's islands?

The introduction and development of storage on Greece's islands that are not connected to the mainland power system is quite different, as it is currently only possible via hybrid stations (i.e. virtual production stations consisting of renewable energy resources and storage units operating as single distribution entities).

How is storage developing in Greece?

The development of storage in Greece has only just begun: this year has been the big "kick-start" and there is now a common understanding of the needs and requirements and the steps to be taken to ensure an adequate identification and prioritization of all necessary actions.

What percentage of Greek electricity consumption is residential?

Historically, residential and commercial-public sector comprise $\sim 70\%$ of total electricity consumption of Greek market. Electricity retail prices were historically consistent in the Greek market until 2021, with minor deviations in



end-user prices year over year. upfront prices.

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).



Greece Energy Storage Emergency Power Wholesale



Faria obtains debt for 50-MW battery project in Greece , Energy Storage

Greece's Faria Renewables SA has closed a debt financing deal with domestic lender Attica Bank to support the construction of a 49.9-MW/134.2-MWh battery facility at home.

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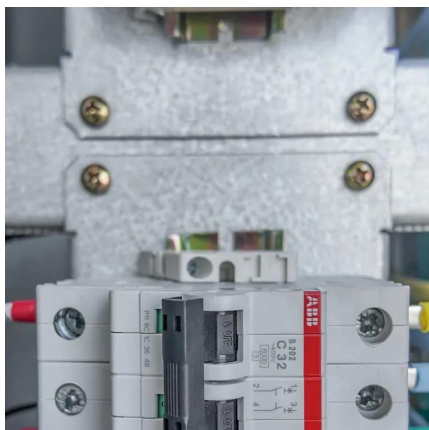


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