

Solar Storage Container Solutions

Cyprus Substation Energy Storage Project



Overview

The energy regulator has approved a significant battery storage system totalling 120MW across three locations to enhance grid stability and security, marking a crucial step for the island's electricity infrastructure. Does Cyprus have a battery energy storage system?

Cyprus's electricity regulator has approved plans to install 400MWh of battery energy storage system (BESS) projects in the Mediterranean island country. Cyprus Energy Regulatory Authority (CERA) announced the approval earlier this week (18 June) of three projects which will be owned and operated by the Cyprus Transmission System Operator (TSOC).

Will Cyprus install 400MWh battery energy storage system?

Image: Cyprus government / MECI. Cyprus's electricity regulator has approved plans to install 400MWh of battery energy storage system (BESS) projects in the Mediterranean island country.

How is Cyprus developing pumped hydro energy storage capacity?

The country is also seeking to develop pumped hydro energy storage (PHES) capacity with technical assistance from the European Commission (EC) and is formulating a National Hydrogen Strategy. Cyprus's electricity regulator has approved plans to install 400MWh of battery energy storage system (BESS) projects.

How many battery energy storage systems will be installed at key substations?

Three utility-scale battery energy storage systems (BESS) will be installed at key substations: All systems must be fully installed and connected to the grid by June 2026.

Is Cyprus facing a unique set of energy challenges?

In a keynote address to open a conference on energy storage and hydrogen in

March, George Papanastasiou of the Ministry of Energy, Commerce and Industry (MECI) noted that Cyprus faces a “unique set of energy challenges, which require tailored solutions.”.

Which substations will be approved by TSO?

The approval covers: a 40MW/80MWh system at Athalassa Substation, a 40MW/160MWh BESS at the Free Industrial Zone Substation and another 40MW/160MWh system at Anatoliko Substation. As mentioned, they will be owned by the national TSO, and their operation will prioritise the delivery of services required by the network operator.

Cyprus Substation Energy Storage Project



TotalEnergies to build 100 MW solar power plant with energy storage ...

Jun 11, 2025 · TotalEnergies is betting big on the solar power market in Cyprus. It won the environmental approval for a photovoltaic park of 100 MW in peak capacity, with energy ...

Utility-scale battery energy storage system (BESS)

Mar 21, 2024 · Introduction Reference Architecture for utility-scale battery energy storage system (BESS) This documentation provides a Reference Architecture for power distribution and ...



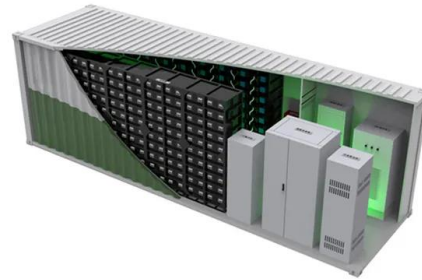
South Korea's KEPCO inaugurates 889MWh BESS ...

Oct 1, 2024 · The event was held at Bubuk substation, the connection point for the final project to be completed in a portfolio comprising BESS installations at ...

Cera gives green light for electricity storage facilities

Jun 23, 2025 · The decision provides for a storage system at the Athalassa substation near Nicosia, with an output power of 40 megawatts

and a storage capacity of 80 megawatt hours, ...



A view of Smart Grids projects in Europe: lessons learned ...

Jul 18, 2023 · The main objective of the project is to support the Government of Cyprus to establish a comprehensive medium- to long-term policy for the optimum penetration of ...

Cyprus approves electricity grid storage projects to boost energy

Jun 22, 2025 · Under the decision, TSOC will install battery storage facilities at three substations: Athalassa (40MW/80MWh), Free Industrial Zone (40MW/160MWh), and Eastern ...

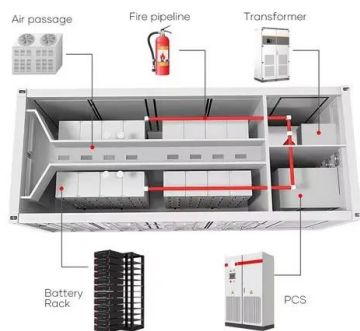


Cyprus regulator approves TSO-owned battery storage

Jun 20, 2025 · Cyprus's electricity regulator has approved plans to install 400MWh of battery energy storage system (BESS) projects in the Mediterranean island country. Cyprus Energy ...

Cyprus Approves First Public Battery Storage Systems

Jun 20, 2025 · This exemption enables Cyprus to act swiftly in deploying battery storage infrastructure to reinforce grid stability, ensure a reliable electricity supply, and prevent ...



Cyprus approves 120MW battery storage system

Jun 20, 2025 · The regulator authorised three battery storage installations: a 40MW system with 80MWh capacity at Athalassa substation, and two 40MW systems with 160MWh capacity each ...

Cyprus Approves First Public Battery Storage Systems

Jun 20, 2025 · The Cyprus Energy Regulatory Authority (CERA) has approved the installation of the country's first large-scale public energy storage systems, authorizing the Cyprus ...



Autarsys Commissions Ground-breaking Energy Storage Project in Cyprus

Autarsys Commissions Ground-breaking Energy Storage Project in Cyprus As part of an EU Research Programme in Cooperation with the University of Cyprus, Autarsys Makes the Final ...

Upgrading renewable energy and smart grids testing ...

Jul 1, 2025 · Short Description The aim of the specific investment is the creation of significant research capacity for Cyprus to develop its renewable energy and smart grids infrastructure ...

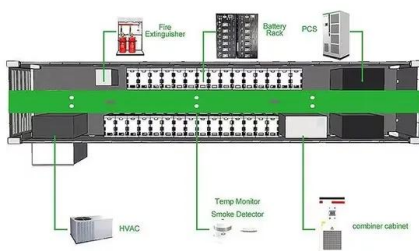


TotalEnergies to build 100 MW solar power plant with energy storage ...

TotalEnergies is betting big on the solar power market in Cyprus. It won the environmental approval for a photovoltaic park of 100 MW in peak capacity, with energy storage. It intends to ...

STORAGE AMP RENEWABLES ELECTRIFYING CYPRUS SREC

The energy storage projects will be located at three existing SCE power substations: 225 MW at Springvale Substation in Big Creek-Ventura, 200 MW at Hinson Substation in the Los Angeles ...



First for Cyprus as it commissions PV and ESS project

Mar 8, 2018 · German storage firm Autarsys has delivered and commissioned Cyprus's first community 75kWh energy storage system, the company announced on February 27, as the ...

German Autarsys Commissions Groundbreaking Energy Storage Project in Cyprus

The company designed and implemented a substation in a neighbourhood in Nicosia connected to homes with rooftop PV systems of 3kWp. Autarsys has partnered with Aerotricity in Cyprus ...



National Grid energises UK's largest battery energy storage ...

Aug 18, 2025 · National Grid has energised what is being billed as the UK's largest battery energy storage system (BESS), connecting the 300MW Thurrock Storage project to its transmission ...

Top five energy storage projects in South Korea

Sep 10, 2024 · The Ulsan Substation Energy Storage System is a 32,000kW lithium-ion battery energy storage project located in Namgu, Ulsan, South Korea. The rated storage capacity of ...



AID SCHEME FOR INSTALLATION OF ENERGY STORAGE ...

Feb 7, 2025 · This involves expanding the cost-effective availability of renewable energy in alignment with the REPowerEU Plan. The measure also aims to bolster existing renewable ...

Nicosia billion energy storage new energy

The first energy storage system, 30 kW/50 kWh, was connected to the electricity system in Nicosia in 2018. Cyprus became the testing ground for an innovative community project delivered by a ...



Press release: Autarsys Commissions Ground-breaking Energy Storage

Feb 27, 2018 · The company designed and implemented a substation in a neighbourhood in Nicosia connected to homes with rooftop PV systems of 3kWp. Autarsys has partnered with ...

Cyprus plans EUR30 million EU investment for electricity storage

May 21, 2025 · The government is considering allocating approximately EUR30 million to the Electricity Authority (EAC) to strengthen electricity storage systems at three EAC substations, ...



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