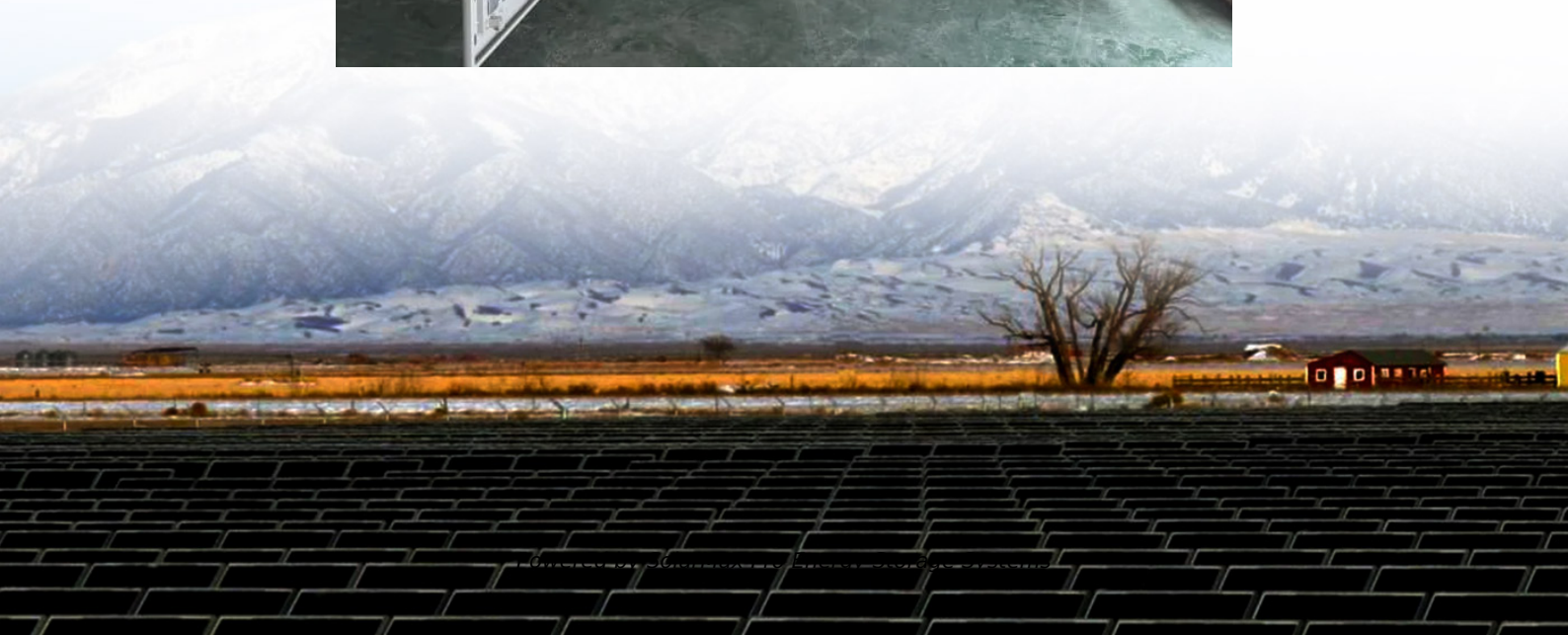


# **El Salvador Power Plant Energy Storage Project**





## Overview

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The project is comprised of a 380-megawatt (MW) natural gas-fired power plant, a permanently moored floating storage regasification unit (FSRU), a 1.8-km subsea pipeline that connects the power plant to the FSRU, and two 230-kV electric transmission lines, one of which connects to the Central American Electrical Interconnection System, providing added grid reliability to the region and opening further opportunities for renewable energy in El Salvador. Why is the El Salvador power project important?

The power project, which began taking shape in 2013, is important for El Salvador because it offers cleaner energy production, replacing heavy fuel oil for power generation while offering flexibility the country needs to support the addition of more renewable energy resources to the national power grid.

How does electricity work in El Salvador?

From there, the gas powers 19 internal combustion engines and waste heat feeds one steam turbine. Two 230-kV electric transmission lines, one of which connects to the Central American Electrical Interconnection System, provides added grid reliability to the region and opens further opportunities for renewable energy in El Salvador.

Why is El Salvador a big importer of electricity?

El Salvador currently imports about one-quarter of the country's total electricity, making it the largest importer of electricity in Central America. Government officials have said the heavy reliance on imported power creates energy security risks, along with providing an economic challenge.

When did El Salvador's EDP power plant start operating?

Despite the enormous challenges, including supply-chain disruptions, travel restrictions, airport closures, global financial volatility, and Salvadoran COVID-19 mitigation measures and regulations, the power plant began commercial operation in October 2022. EDP is a transformative investment in El Salvador's clean energy future.



## How does EDP work in El Salvador?

By shifting a significant amount of power supply to natural gas, EDP reduces El Salvador's reliance on diesel and heavy fuel oil-fired power generation, offsetting 600,000 tons of carbon dioxide emissions per year, and provides grid support to facilitate more renewable energy penetration, further diversifying the country's energy mix.

## What will the Acajutla gas-fired power plant do for El Salvador?

The Acajutla gas-fired power plant will offer a net efficiency of 49.4% in combined-cycle operations. It will increase the electricity production capacity of El Salvador by 23% and help reduce the country's dependence on diesel and heavy fuel oil for power generation.



## El Salvador Power Plant Energy Storage Project

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### **El Salvador energy storage: 2.15 MWh Breakthrough Project**

Jinko ESS has achieved a significant milestone by deploying the first energy storage power plant in Central America. This 2.15 MWh system, integrated with a 3.6 MWp ...

### [Site work commences for Wärtsilä 378 MW power ...](#)

The technology group Wärtsilä commenced site work for a new 378 MW power plant being supplied on an Engineering, Procurement and ...



### **El Salvador has put into operation energy storage projects**

Despite the enormous challenges, including supply-chain disruptions, travel restrictions, airport closures, global financial volatility, and Salvadoran COVID-19 mitigation measures and ...



### [Long-Awaited FSRU Project Nears Operation in El ...](#)

The facility, located at the Port of Acajutla, is a three-part project, including the thermal power

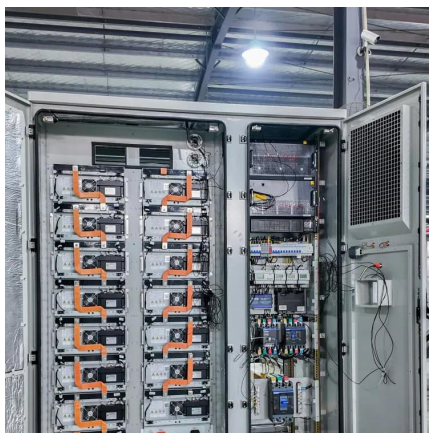


plant, liquefied natural gas (LNG) regasification  
...



### **Innergex Chile Uses N3uron to Integrate Its First Battery ...**

The Challenge Innergex Chile wanted to provide PV Salvador with energy storage capabilities by integrating a Battery Energy Storage System (BESS). This would be In-nergex's first BESS ...



### **Energia del Pacifico**

The project is delivering approximately 30% of the country's energy demand with clean power and has modified the Salvadoran energy matrix by incorporating natural gas for generation and  
...



### **Jinko ESS deploys SunGiga energy storage solutions in El Salvador**

Designed to optimize energy reliability and operational efficiency for industrial clients, the project leverages proprietary liquid-cooling technology to ensure peak performance ...

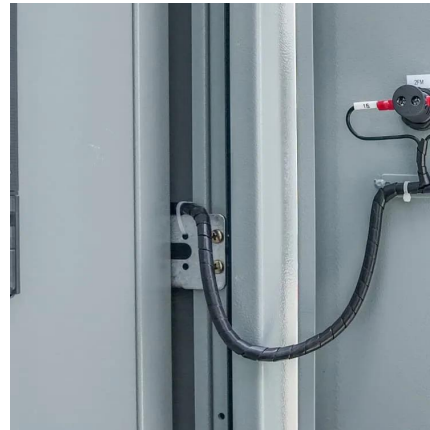






## Latest Ongoing Battery Energy Storage System (BESS) Projects in El

Search all the ongoing (work-in-progress) battery energy storage system (BESS) projects, bids, RFPs, ICBs, tenders, government contracts, and awards in El Salvador with our ...



## Fueling a More Reliable and Clean Energy Future for El Salvador

Invenergy has successfully developed more than 25 GW of power generation projects, including natural gas, wind, solar, and advanced energy storage facilities. Under the ...

## El Salvador renewable energy Expansion: 3 Amazing Projects by ...

A standout feature of the Capella project is its integration of a 30 MW/60 MWh Battery Energy Storage System (BESS), which will optimize power dispatch during peak ...



## [Acajutla LNG Power Plant, Acajutla, El Salvador](#)

Estimated to cost £702m (\$877m), the Acajutla LNG power project represents the biggest energy infrastructure investment in the history of El ...



## Electricity sector in El Salvador

El Salvador 's energy sector is largely focused on renewables. El Salvador is the largest producer of geothermal energy in Central America. Except for hydroelectric generation, which is almost ...



## [The largest energy storage project in El Salvador](#)

The power plant will be connected to a 3 MW/1.5 MWh lithium-ion battery system, making it the largest energy storage installation to be rolled out in Central America to date. 3% of the power ...

## Pacífico Acajutla power station

Pacífico Acajutla power station (Termoeléctrica Pacífico Acajutla) is an operating power station of at least 378-megawatts (MW) in Port of Acajutla, Sonsonate, El Salvador. It is also known as ...



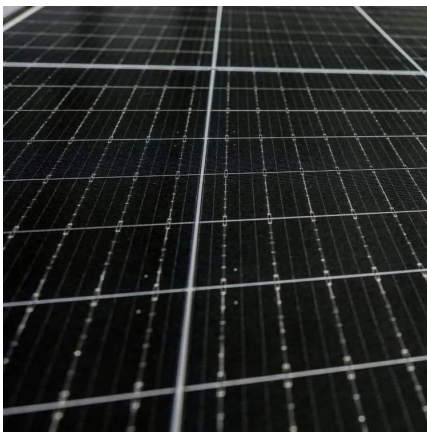


## Government to Install Energy Storage Systems at Substations.

El Salvador's Etesal plans energy storage systems at substations to stabilize solar power distribution. The company also adopts new technology and invests in hybrid power plants.

## Solar Project at 15 de Septiembre Hydroelectric Plant Reaches ...

The solar project at El Salvador's 15 de Septiembre Hydroelectric Plant is 50% complete, adding 19.2 MW of renewable energy to boost energy independence.



## El Salvador

El Salvador will expand its installed geothermal power energy generation from 204 MW to 300 MW with the construction of new plants in Chinameca, San Vicente and Volcán de ...

## [El Salvador: The energy of the future is built today](#)

The history of this leadership goes back to 2011. With the firm purpose of contributing to the energy development of the country and the region, AES El Salvador ...





## Long-Awaited FSRU Project Nears Operation in El Salvador

The facility, located at the Port of Acajutla, is a three-part project, including the thermal power plant, liquefied natural gas (LNG) regasification terminal, and transmission line.



## El salvador energy storage power station

Despite having a long tradition of geothermal energy use, mainly for power generation, El Salvador's geothermal development has stagnated in recent years, with a ...



## AES: Powering the Islands of El Salvador with Solar-Plus-Storage

AES' Meanguera del Golfo solar plant--the first of its kind in Latin America--relies on enhanced solar-plus-battery storage technology to deliver uninterrupted, carbon-free electricity to ...





## EL SALVADOR SOLAR POWER STORAGE BANK

El Salvador is increasingly turning to indigenous renewable sources of energy such as hydropower, biomass, solar PV and geothermal energy. In 2019, more than two-thirds of the ...

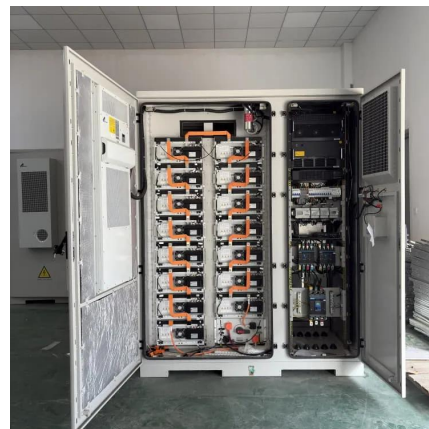


## Acajutla LNG Power Plant, Acajutla, El Salvador

Estimated to cost £702m (\$877m), the Acajutla LNG power project represents the biggest energy infrastructure investment in the history of El Salvador. Construction works on ...

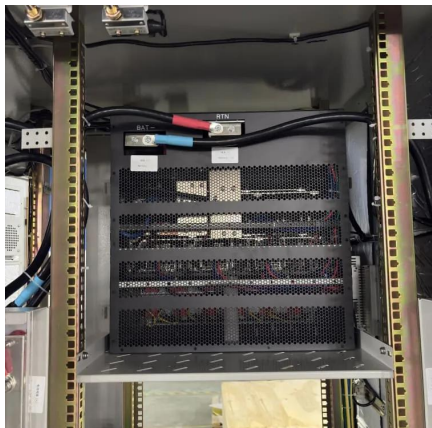
## **Floating Storage Regasification Unit for Acajutla LNG to Power Project**

The Project involves the purchase and conversion of a liquified natural gas ("LNG") carrier ("LNGC") to a Floating Storage and Regasification Unit ("FSRU"). The FSRU will be ...



## **List of Operational (Completed) Battery Energy Storage System ...**

Search all the commissioned and operational battery energy storage system (BESS) projects, bids, RFPs, ICBs, tenders, government contracts, and awards in El Salvador with our ...



## Transformative LNG-to-Power Project Lights Up El Salvador

The project represents the country's largest ever private foreign direct investment and is providing clean and reliable power to meet up to 30% of El Salvador's energy demand.



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