

AES" Alamitos Battery Energy Storage System paves the way for global energy storage adoption As 2020 came to a close, AES began operating the Alamitos Battery Energy Storage System (BESS) in Long Beach, California, making history as the world's first stand-alone energy storage project for local capacity, the first time an energy storage



The AES Corporation has commenced operations of the Alamitos battery energy storage system (BESS), one of the world's largest battery storage systems in operation today. The BESS, a stand-alone energy storage facility ???



The Alamitos Energy Center (AEC) is located on approximately 21 acres of the 71-acre brownfield Alamitos Generating Station (AGS) site. The proposed project site is bounded to the north by State Route 22; to the east by the San Gabriel River; to the south by 2nd Street; and to the west by N. Studebaker Rd., in the city of Long Beach, Los Angeles County, California.

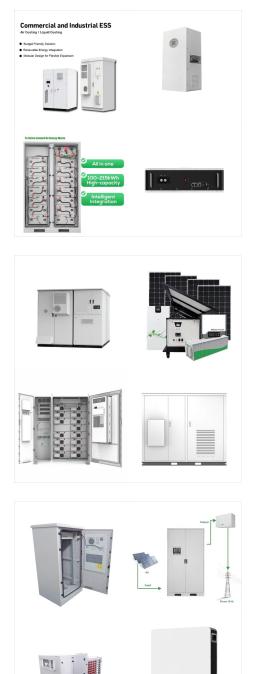


MW of behind-the-meter energy storage, AES Corporation's front-of-meter Alamitos project won out. The big caveat perhaps is that Alamitos'' battery storage will be flanked by two new natural gas plants. These are combined cycle gas turbine (CCGT) plants which provide baseload capacity.

The battery energy storage system began to be built in June 2019 and the project is expected to be completed by 2022. It is estimated that the development will generate 1.48 million hours of construction work and 51 permanent jobs. Alamitos Energy Centre location. Alamitos Energy Center will be located in Long Beach City, Southern California, US.



The AES Alamitos plant celebrated the ribbon cutting this week of a new battery storage facility with the ability to hold up to 400 megawatt-hours of energy. The storage of energy is one of the deciding factors in achieving California's ambitious goal of transitioning to 100% carbon-free power sources by 2045.



AES Alamitos Energy Center (Source: AES Corporation) UPDATE: AES Alamitos Battery Energy Storage System (BESS) has been named Engineering News-Record California's 2021 SoCal Project of the Year!. Announced in July as ENR California's Project of the Year in the Energy/Industrial category, the AES Alamitos BESS Facility was one of several category ???

The AES Alamitos Battery energy storage system turbocharged the energy industry through innovative storage solutions for capacity and grid reliability. As the world's first standalone energy storage project specially procured to perform the local capacity functions of a natural gas peaking plant and receive a long-term PPA, the Alamitos BESS

The battery storage is located at the Alamitos Energy Center (AEC), AES's natural gas-fired, combined cycle power plant which is currently under construction and is replacing the ageing AES Alamitos Generating Station. Choose your newsletter by Renewables Now. Join for free!



Implementation of Utility Scale Storage - Battery Arrays. The large-scale energy storage (also called grid energy storage) is a stand-alone or hybrid system that allows storing large amounts of electrical energy within an electrical power grid. AES Alamitos Energy Storage Array: Lithium-ion: Long Beach, CA, US: 100 MW: Contracted: Germany

AES Corp. last summer broke ground on the first 100-MW section of its planned 300-MW AES Alamitos Energy Battery Storage Array in Long Beach, at the site of the retiring 1,152-MW gas-fired Alamitos project, which is ???



Today, over 4 GW of energy storage is expected to be contracted and brought online by 2023. Fluence is helping customers bring nearly 1 GW of energy storage onto the California grid in 2021 alone. 4. What it means for the global adoption of energy storage. The AES Alamitos BESS made energy storage part of the power supply conversation.

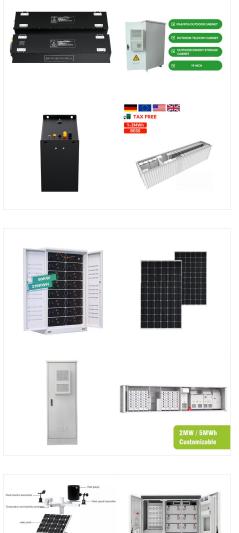


AES Alamitos Energy Storage Array: Lithium-ion battery: Long Beach, California, United States: 100 MWContracted: Germany Residential Energy Storage Systems - 34,000 PV Battery Storage Systems@2 kWLithium-ion battery: Multiple, Multiple, Germany: 68 MWOperational/Jan 31, 2016: Kyushu Electric - Buzen Substation -Mitsubishi Electric/NGK ???

? The battery storage is located at the Alamitos Energy Center (AEC), AES's natural gas-fired, combined cycle power plant which is currently under construction and is replacing ???



Completed in 2020 and located in Long Beach, California, AES'' Alamitos Battery Energy Storage System (BESS) project made history as the first stand-alone energy storage project in the US built

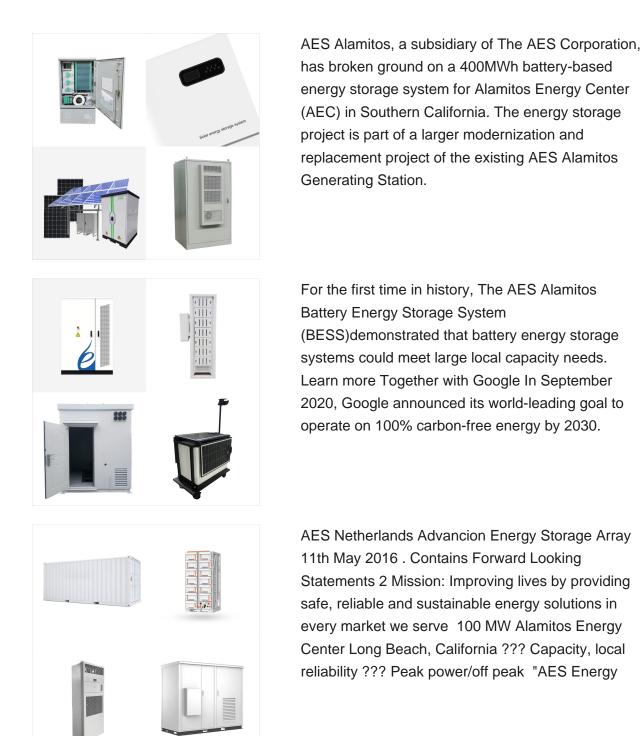


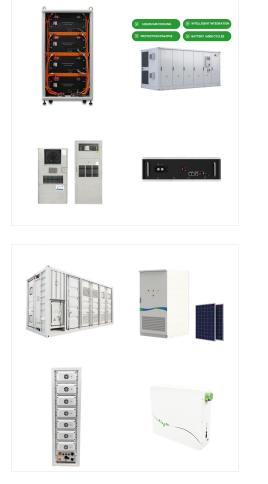
Energy storage. Efficiency. Fuel conversion. Our people. Our global workforce. Contractors & suppliers. Keeping our people safe. Community partnerships. Our leaders share their thoughts on the future of energy, the core values that guide AES and its people, and the solutions for smarter, greener energy. Read More For general media inquiries

LONG BEACH, Calif., June 27, 2019???AES Alamitos, a subsidiary of The AES Corporation (NYSE: AES), announces the groundbreaking of a 400 megawatt-hour (MWh) battery-based energy storage system for Alamitos Energy Center (AEC) as part of a larger modernization and replacement project of the existing AES Alamitos Generating Station. The energy



AES Alamitos broke ground June 27 on a 100-MW/400-MWh battery-based storage system for AES Alamitos Energy Center in Long Beach, Calif., as part of a larger modernization and replacement project



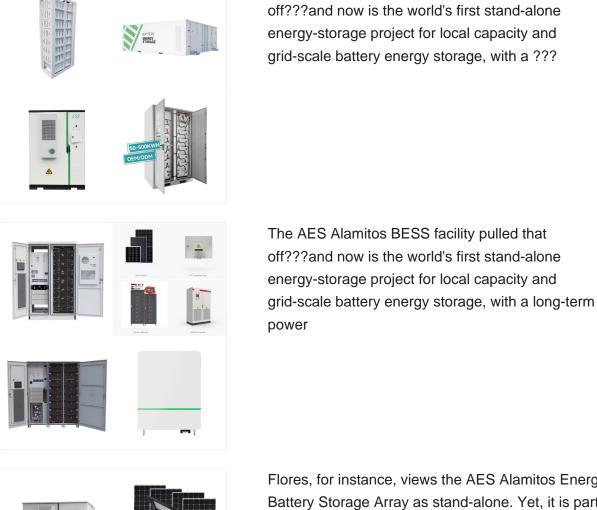


As the world's first standalone energy storage project specially procured to perform the local capacity functions of a natural gas peaking plant and receive a long-term PPA, the Alamitos ???

AES Corp. last summer broke ground on the first 100-MW section of its planned 300-MW AES Alamitos Energy Battery Storage Array in Long Beach, at the site of the retiring 1,152-MW gas-fired Alamitos project, which is being replaced with a combination of batteries and another gas plant, the Alamitos Repowering project.



AES Alamitos has started construction on the 400MWh battery-based energy storage system in Southern California for Alamitos Energy Center (AEC). The new initiative is part of the overhaul of the existing AES Alamitos Generating Station. The AES Alamitos BESS facility pulled that





Flores, for instance, views the AES Alamitos Energy Battery Storage Array as stand-alone. Yet, it is part of AES Corp.'s Alamitos energy complex in Long Beach, Calif., where the SCE-contracted system shares infrastructure with gas-fired generation.



Energy capacity (MWh) Status Description; AES Alamitos Energy Storage Array: Long Beach, California, United States: Li-ion: 100: 400: Contracted: The EES will be placed in a large building named Alamitos Power Center and will be used as replacement of peaking power plant. It will also be used for balancing intermittent renewables.



The AES Alamitos BESS is contracted under a 20-year power purchase agreement (PPA) with the SCE and is located at the AES Alamitos Energy Center. It will provide Southern California with reliable power during times of peak demand, while also supporting a cleaner energy future for SCE customers by enabling increased integration of renewable energy.



The Alamitos battery-energy-storage system (BESS) would consist of three 50-foot tall buildings, similar in appearance to data server farms. AES Energy Storage, an AES subsidiary, recently entered into contracts with San Diego Gas and Electric to install and commission two energy-storage arrays, totaling 37.5 MW at sites in San Diego County **AES ALAMITOS ENERGY STORAGE**

Located at the AES Alamitos Energy Centre, the AES Alamitos BESS is supported through a 20-year power purchase agreement (PPA) with SCE. The BESS technology at the Alamitos facility comprises Advancion 5 batteries from Fluence, a joint venture between AES and Siemens that offer energy storage and technologies.

SOLAR°



ARRAY

US power giant AES Corp (NYSE:AES) on Wednesday said that the 400-MWh Alamitos battery energy storage facility in California is now operational. The storage facility consists of Advancion 5 batteries and control systems supplied by Fluence, an energy storage-focused joint venture between AES and Siemens AG (ETR:SIE).