

LONG BEACH, CA

Fluence - AES Los Alamitos 100MW BESS Facility

The Fluence/AES Los Alamitos 100MW BESS stores energy for fast delivery during peak demand, supporting grid reliability and clean energy with up to 400MWh of storage.

The Fluence/AES Los Alamitos 100MW Battery Energy Storage System (BESS) is among the largest operational energy storage facilities in the world. A BESS is a system of advanced batteries designed to store electricity generated from power sources and deliver it back to the grid when demand spikes or capacity limits are reached.

Capable of delivering up to 100 megawatts for four hours (400MWh), the Alamitos BESS provides fast, reliable power to tens of thousands of homes and businesses—instantly responding within milliseconds, compared to the 12–36 hour ramp-up time of traditional generation facilities.

This system also plays a critical role in supporting a cleaner, more sustainable energy future for Southern California Edison (SCE) customers by enhancing the grid's ability to incorporate more renewable energy sources like solar and wind.

MARKET SECTOR

- Energy

DELIVERY METHOD

- Plan and Spec

CLIENT/OWNER
The AES Corporation

GENERAL CONTRACTOR
PNG Builders

ARCHITECT
Corgan

ENGINEER
Vanderweil Power Group

CONTRACT VALUE
$11,400,000

PROJECT SIZE
42,763 SF Building Facility and 104,253 s.f. substation

PROJECT DURATION
15 Months

OFFICE
City of Industry

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