

AES ANDRES
ADVANCION
PROJECT SPOTLIGHT

Energy Storage Provides Grid Resilience During Severe Storm Conditions in the Dominican Republic



Santo Domingo, Dominican Republic



We are very excited about developing these energy solutions for the benefit of the Dominican Republic, saving millions of dollars in state funds, which can be redirected to more needed areas such as public health, education and security.

Edwin De Los Santos, President of AES Dominicana

SYSTEM OVERVIEW

- Fluence's Advancion Energy Storage Platform
- 10 MW / 5 MWh
- Owned and operated by AES Dominicana
- Entered commercial operation in 2017

APPLICATIONS

- Frequency Regulation
- Generation Enhancement

PROJECT HIGHLIGHTS

- The Andres energy storage array is the first large-scale, advanced battery-based energy storage project to be centrally connected to the grid in the Dominican Republic and the Caribbean, providing grid-wide balancing services that add to the resiliency of the grid.
- The project delivers two primary benefits: it lowers energy costs and improves grid resiliency, enabling the island's generation to operate efficiently and respond to grid imbalances faster and more accurately than traditional generation.
- The project demonstrates how energy storage supports grid stability during severe storm conditions. During 2017's Hurricane Irma, the Andres system remained online and operational, maintaining the target frequency and supporting grid resiliency while almost 40 percent of the island's total generation assets were forced offline.

