

PROJECT SPOTLIGHT

Thermal plant in Southeast Asia saves costs and benefits from energy storage fast response ancillary services



MASINLOC, PHILIPPINES

“ Our province is proud to be the setting for the development of the first battery-based energy storage in the country. Its development will not only secure quality energy services for the people of Zambales and the rest of Luzon, but also contribute to the continued development of the province.”

**HERMOGENES EBDANE, JR.,
ZAMBALES PROVINCIAL GOVERNOR**



System Overview

- Fluence's Siestorage Energy Storage System
- 10 MW / 10 MWh
- Owned and operated by San Miguel Corp
- Entered commercial operation 2016

Applications

- Frequency Regulation

Project Highlights

- The Masinloc Array, integrated into the thermal generator at the thermal plant, is one of the first advanced energy storage installations in Southeast Asia and among the largest in all of Asia.
- The advanced energy storage project strengthens the local grid by providing fast response ancillary services like frequency regulation, plus interconnected capacity, flexibility and peak power services.
- This solution is especially valuable to island grids facing challenges in instantaneously matching supply and demand across a smaller pool of resources. Energy storage can perform this function more effectively than traditional grid resources, resulting in cost savings and lowering system-wide emissions.
- Ancillary services procurement agreement (ASPA).