

## Benefits of energy storage peru

o Efficient use of energy in the public, productive, service, residential, and transportation sectors. o Electromobility with emphasis on urban transportation.

The battery-based energy storage system to be installed in the 800MW Chilca power plant will improve the Peruvian grid stability by providing Primary Frequency Regulation services, bringing economic benefits while increasing the system efficiency.

Energy storage and EV infrastructure solutions firm NHOA has commissioned a 31MWh battery energy storage system (BESS) in Peru for multinational utility and IPP Engie. The BESS unit was provided by NHOA to Engie Energy; a Peruvian company; on a turnkey basis and has been deployed at Engie's 800MW Chilca Uno thermoelectric power plant, in Chilca, on the ...

Lithium-ion batteries are effective for short-term energy storage capacity (typically up to four hours), but other energy storage systems will be needed for medium- and long-term storage capabilities.

Lima, 20 of May 2021 - Enel X Peru is consolidated as a pioneer in the country by installing the first large-scale energy storage system "behind the meter" in Peru. Through this service, industrial customers will reduce the power charges and transmission tolls recorded during peak demand hours, thus generating considerable savings, while reducing impacts on the environment.

Enel X Peru, with the assistance of ON Energy Storage (ON), a strategic partner for the development of energy storage projects, will provide a 10-year Peak Shaving service to PAMOLSA. This service consists of installing large capacity smart batteries behind the meter, which will store energy in low-demand hours and discharge at peak times thanks to its artificial intelligence system, to reduce its recorded power in peak matching demand, generating savings through power charges. The system is expected to start operations by the end of 2021.

PAMOLSA, a Carvajal group company, is the first Enel X customer to have this system, however, Enel X Peru is exploring with ON the possibility of installing this technology for customers from other industrial sectors. "Currently, we are in talks with various companies in sectors as varied as retail and mining," says Alejandro Barragán, General Manager of Enel X Peru.

"With this initiative Enel X Peru seeks to implement new, increasingly intelligent and innovative ways for our customers to make the most of the energy supply. Through the "behind-the-meter" storage system our customers use technology to transform energy into new opportunities and progress," adds the executive.



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This system joins the commissioning of BESS Ventanilla by Enel Peru, which will allow the delivery and absorption of energy to and from the electrical system to improve the quality of the energy delivered to customers. With both initiatives, Enel continues to develop innovative projects that contribute to the modernization of the electricity sector.

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