

ContainerPower Energy Solutions

Peru integrated base station energy storage



Overview

The BESS project will have an installed capacity of around 30 MWh, which will be installed at ENGIE Energía Perú's ChilcaUno Thermoelectric Power Plant, and will allow the plant to operate at full capacity, which translates into more efficient energy for the country, as well as contributing to improve the stability of the national power grid.

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Designed to store 450 MWh of clean energy - enough to power 150,000 homes daily - this facility combines lithium-ion battery systems with advanced energy management software. Consider this: Solar and wind farms only produce energy 25-40% of the time on average.

The station features a domestically developed grid-forming sodium battery system that can intelligently detect grid fluctuations caused by new energy inputs and adjust voltage and frequency in real time.

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